PROTHOR SC 2

For use only by individuals/firms licensed or registered by the state to apply termiticide, turf maintenance and/or landscaping/ornamental products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the structural pest control regulatory agency of your state prior to use of this product.

For prevention or control of subterranean termites in and around residential, commercial, industrial, institutional and public structures and buildings.

For follar and systemic control of insect pests of turfgrass, landscape ornamentals, shrubs and trees in lawns, golf courses, landscapes, playgrounds, parks, athletic fields and interior plantscapes.

Active Ingredient: By Wt.
imidacloprid ........................................... 21.4% 
Other Ingredients: ................................................ 78.6% 
TOTAL: ................................................... 100.0%

Contains 2 pounds of imidacloprid per gallon

Shake well before using
EPA Reg. No. 83923-4  EPA Est. 81824-NC-001

STOP – Read the label before use
KEEP OUT OF REACH OF CHILDREN

<table>
<thead>
<tr>
<th>FIRST AID</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>If swallowed</strong></td>
</tr>
<tr>
<td>Call a poison control center or doctor immediately for treatment advice.</td>
</tr>
<tr>
<td>Have person sip a glass of water if able to swallow.</td>
</tr>
<tr>
<td>Do not induce vomiting unless told to do so by a poison control center or doctor.</td>
</tr>
<tr>
<td>Do not give anything by mouth to an unconscious person.</td>
</tr>
<tr>
<td><strong>If on skin or clothing</strong></td>
</tr>
<tr>
<td>Take off contaminated clothing.</td>
</tr>
<tr>
<td>Rinse skin immediately with plenty of water for 15 to 20 minutes.</td>
</tr>
<tr>
<td>Call a poison control center or doctor for treatment advice.</td>
</tr>
<tr>
<td><strong>If in eyes</strong></td>
</tr>
<tr>
<td>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</td>
</tr>
<tr>
<td>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</td>
</tr>
<tr>
<td>Call a poison control center or doctor for treatment advice.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HOTLINE NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Have the product container or label with you when calling a poison control center or doctor.</td>
</tr>
<tr>
<td>You may also contact 1-866-367-8467 for emergency medical treatment information.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NOTE TO PHYSICIAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>No specific antidote is available. Treat the patient symptomatically.</td>
</tr>
</tbody>
</table>

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

**CAUTION**

Harmful if swallowed, inhaled or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse. Keep children and pets away from treated area until dry.

**Personal Protective Equipment for Termite Control Uses:** All pesticide handlers (mixers, loaders and applicators) must wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves made of waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyethylene, polyvinyl chloride or viton. After the product is diluted in accordance with label directions for use, shirt, pants, socks and water-proof gloves are sufficient protection. All pesticide handlers must wear protective eyewear, such as goggles, faceshield or safety glasses, when working in a non-ventilated space or when applying as a termicid by rotation or sub-stab injection.

**Personal Protective Equipment for non-Termite Control Uses:** Applicators and other handlers must wear a long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves made of waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyethylene, polyvinyl chloride or viton.

**Termite Control Treatment:** 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 exposure 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 termicid 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 cleanup is completed.

**Environmental Hazards**

This pesticide is highly toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater.

**Extreme care must be taken to avoid runoff. Apply only to soil or other fill material that will accept the solution at the specified rate. Do not treat soil that is water-saturated or frozen or in any conditions where run-off or movement from the treated area (site) is likely to occur.**

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

The properties and characteristics of this chemical are similar to those of agrochemicals that have been detected in groundwater. Using this chemical in areas where the soil is permeable, and particularly where the water table is shallow (close to the ground surface), may result in contamination of the surrounding groundwater.

Apply this product only as specified on this label.

**Physical and Chemical Hazards**

Do not apply this product or solutions of this product around electrical equipment, such as electrical conduits, motor housings, junction boxes, switch boxes, etc. due to the possibility of shock hazard.

DIRECTIONS FOR USE

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

NET CONTENTS: As marked on container

Manufactured by:
ENSYSTEX IV, Inc.
Fayetteville, NC 28303
APPLICATION FOR CONTROL OF SUBTERRANEAN TERMITES

General
PROTHOR SC 2, in the form of a dilute insecticidal solution, prevents and controls subterranean termite infestations in and around structures and other items by creating a continuous chemically treated zone (horizontal and/or vertical as needed) between the wood and other cellulose material in a structure and termite colonies in the soil. In order to establish a zone between the wood in the structure and the termites in the soil, adequately disperse the solution of this product in the soil.

To effectively control subterranean termites with this product, the service technician should be familiar with current subterranean termite control practices including trenching, nodding, slab and void injection, soil surface saw spraying and encapsulated soil treatment. Correct use of these techniques is necessary to effectively control infestations by subterranean termites such as Coptotermes, Heterotermes and Reticulitermes. The service technician should consider the biology and behavior of the termite species to be controlled to determine which control practices to use.

Treatment standards and procedures for subterranean termite control may vary due to regulations, water table level, structure design, soil types, construction practices and other factors. For advice concerning current control practices with respect to specific local conditions, consult resources in structural pest control and state cooperative extension and regulatory agencies. Follow all federal, state and local regulations and treatment standards for protection of a structure from subterranean termites.

Effective termite control may also include mechanical alteration of the structure. Elimination of leaks or points of moisture accumulation within or on the exterior of the structure that result in an increase in the moisture content of wooden structural components is advisable. Removal of non-essential cellulose containing materials that are in contact with the ground under or around the structure can reduce termite foraging in the area.

PROTHOR SC 2 is labeled for use against subterranean termites as a 0.025% to 0.10% solution in water. Generally, the 0.025% rate is used for typical control situations. When severe or persistent infestations are occurring, a 0.10% solution may be more appropriate. When difficult or problem soils or construction types are encountered, it may be necessary to use 0.10% PROTHOR SC 2 mixed in reduced volumes of water.

Avoid contamination of water supplies due to backflow under reduced water system pressure by using anti-backflow equipment or procedures to prevent mishandling of any solution back into a water supply. Do not contaminate streams or wells. Do not treat soil that is water-saturated or frozen. Do not treat while precipitation is occurring. Do not apply solution to an area or site if the soil at the area or site is in such a state or condition that runoff or movement of the solution from the treated area is likely to occur. Structures that contain soils or clays within the foundation of the structure can only be treated using the treated backfill method described in the treatment amount and distance section below. Consult state and local specifications for recommendations of these distances of wets from treated areas, or if such regulations do not exist, refer to Federal Housing Administration Specifications (F.H.A.) for guidance.

Dilution and Mixing of PROTHOR SC 2

Use rates for PROTHOR SC 2 as expressed and the solution is mixed according to the percentage (% solution) concentration it forms when mixed in water. Use the Mixing Table for PROTHOR SC 2 or alternately the formulas below to determine the amount of PROTHOR SC 2 to add to any quantity of water.

To mix, measure out the required amount of PROTHOR SC 2 according to the Mixing Table for PROTHOR SC 2. Pour this amount of PROTHOR SC 2 into the spray tank as it is being filled with water with the agitator operating.

Mix PROTHOR SC 2 to create a use dilution in the following manner:

1. Fill tank 1/4 to 1/3 full.
2. Start pump and begin by-pass agitation and place end of treat tank in tank to allow circulation through hose.
3. Add appropriate amount of PROTHOR SC 2.
4. Add remaining amount of water.
5. Let pump and agitator run through the hose for 2 to 3 minutes.

PROTHOR SC 2 may also be mixed into full tanks of water, but substantial agitation is required to ensure uniformity of the solution.

Calculating an Amount of PROTHOR SC 2 to Mix

To mix any amount of PROTHOR SC 2 determine:

A = Gallons of water into which PROTHOR SC 2 will be mixed. Express any partial gallons as decimal fractions (V2 = 5).

Fluid ounces of PROTHOR SC 2 to add to A gallons for 0.05% = A x 0.275

Fluid ounces of PROTHOR SC 2 to add to A gallons for 0.10% = A x 0.555

Preproportional Injector Mixing Table for PROTHOR SC 2

Solution Percentage
Concentration Desired

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Gallons of</th>
<th>Fluid Ounces of</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desired</td>
<td>Finishing</td>
<td>PROTHOR SC 2</td>
</tr>
<tr>
<td>0.05%</td>
<td>1</td>
<td>0.28</td>
</tr>
<tr>
<td>0.05%</td>
<td>2</td>
<td>0.50</td>
</tr>
<tr>
<td>0.05%</td>
<td>5</td>
<td>1.38</td>
</tr>
<tr>
<td>0.05%</td>
<td>25</td>
<td>6.90</td>
</tr>
<tr>
<td>0.10%</td>
<td>50</td>
<td>13.8</td>
</tr>
<tr>
<td>0.10%</td>
<td>100</td>
<td>27.5</td>
</tr>
<tr>
<td>0.10%</td>
<td>500</td>
<td>138.0 (1 gallon = 10 ounces)</td>
</tr>
<tr>
<td></td>
<td>1000</td>
<td>278.0 (2 gallons = 19 ounces)</td>
</tr>
</tbody>
</table>

Application Volume

To provide maximum control and protection against termite infestation, apply the specified volume of the finished water solution containing the specified amount of PROTHOR SC 2 as set out below or as otherwise directed in this label.

Prescribed Horizontal Barrier Rate: Unless otherwise directed, horizontal barriers are applied by applying a 0.025% to 0.10% solution at a rate of one gallon of solution per 10 square feet.

Prescribed Vertical Barrier Rate: Unless otherwise directed, vertical barriers are created by applying a 0.025% to 0.10% solution at a rate of four gallons of solution per 10 linear feet per foot of depth.

Adjustments to Application Volume

If soil will not accept the labeled application volumes, 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 likelihood of obtaining a continuous barrier. Variance is allowed when volume and concentration are consistent with label directed rates and a continuous barrier can still be achieved. When volume is reduced, the spacing of holes created for sub slab injection and soil rodding may need to be reduced to account for decreased dispersion of the solution in the soil.

Per example, adjust the amount of solution applied to deliver a horizontal barrier of 10 square feet from 1 gallon to as low as 6 oz (0.05% solution) as high as 2 gallons while maintaining the amount of PROTHOR SC 2 applied per 10 square feet.

For example, adjust the amount of solution applied to deliver a vertical barrier 10 feet long by one foot deep from 4 gallons to as low as 2 gallons and as high as 8 gallons while maintaining the amount of PROTHOR SC 2 applied per 10 linear feet.

PRE-CONSTRUCTION TREATMENT

All Structures

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.

Prior to each application, the contractor 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 to leave the area to be treated during application and until the termiteicide is absorbed into the soil.

Concrete Slab On Ground or Basements

Apply an overall treatment to the entire surface of soil or other substrate to be covered by the slab including areas to be areas to be covered, porches, basements, floors and entrances platforms. Apply uniformity rate on the Prescribed Horizontal Barrier Rate. If fill under slab is gravel or other coarse aggregate, apply at the rate of 1.5 gallons per 10 square feet or sufficient volume of solution to uniformly cover each 10 square feet. To provide a uniform treated zone in soil at critical areas such as along the inside of foundation walls, and around plumbing, bath, toilet services, and other features that will penetrate the slab, apply solution at the Prescribed Vertical Barrier Rate to these areas.
When treating foundations deeper than 4 feet, apply the termiteicide as the backfill is being replaced, or if the construction contractor fails to notify the applicator to permit him, treat the foundation to a minimum depth of 4 feet after the backfill has been installed. The applicator must trench and jet into the trench at or at least 6 inches above the backfill and apply other termiteicides and treat the soil at the Prescribed Vertical Barrier Rate 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 of 6 inches to exceed return of the footing. In no case should the soil be treated below the footing. Rodding in trench followed by flooding of trench and treatment of backfill may provide a better chance of achieving a continuous treated zone than using soil rodding alone to establish a vertical treated zone.

### Crawl Spaces

Application must be made by trenching or trenching and rodding down along the inside and outside of foundation walls, around pipes, interior supports in contact with the soil, plumbing, and utility service entry points at the Prescribed Vertical Barrier Rate. Rodding may be done from the bottom of a shallow trench to the top of the footing or a minimum of 4 feet. When trenching, rod holes must be spaced in a manner that will allow for a continuous treated zone to be deposited along the treated area. Rod holes should be placed away from the footing. When trenching, the trench should be about 6 inches wide and 6 inches deep. Use a low-pressure spray to treat soil which will be placed in the trench, mixing the spray solution with soil as it is being placed in the trench.

### Hollow Block Foundations and Voids

Hollow block foundations or voids in masonry resting on the footing may be treated to create a continuously treated zone in the voids at the footing. Apply 2 gallons of solution per 10 linear feet to the lower part of the void so that it reaches the top of the footing or soil. Treatment of voids in block or masonry wall should be closely examined. Applicators must inspect areas of possible run-off as a precaution against application leakage in the treated areas. Some areas may not be treatable or may require mechanical alteration prior to treatment. All areas resulting in the deposition of termiteicide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site (refer to Precautionary Statements). Do not allow people or pets to contact or enter the treated area or structure until the clean-up is completed.

### POST CONSTRUCTION TREATMENT

### All Structures

Do not apply treatment until the identity and location of all wells, radiant heat pipes, water and sewer lines, electrical conduits and sub-floor heating and air conditioning ducts is established. Care must be taken to avoid damaging these elements in the soil.

Holes or crevices are areas into which material has been applied must be plugged. Pugs must be of a non-cellophane material or covered by an Impermeable, non-cellophane material.

### Vertical Barrier Depths

For applications made after the final grade is installed, the applicator must trench and jet into the trench along the foundation walls and around piles and other foundation elements and treat 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 jet into the trench or trench along the foundation walls and treat at the rate prescribed as a minimum depth of four feet. The actual depth of treatment will vary depending on the 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.

### Structures Containing Concrete Slabs on Ground (Monolithic/Floating/Supported) Including Basements

To make an application below existing slabs, it may be necessary to drill holes in slabs or adjacent foundation and to apply solution. Holes should be spaced such that when treatment is applied through them, a continuous treated zone is applied beneath the slab.

### Horizontal Barriers Beneath Slabs on Ground

Create a horizontal barrier by treating at the Prescribed Vertical Barrier Rate beneath slabs by either drilling and long rodding from the exterior or by grid pattern drilling and injecting vertically through the slab. Long rodding should be used only when grid pattern drilling and injection and horizontal short rodding and injection cannot be used to deliver the sub slab treatment.

### Bath Taps

Exposed soil beneath and around areas where plumbing and utility services penetrate the slab should be treated at the rate of 4 gallons of solution per square foot of soil.

### Structures Containing Accessible Crawl Spaces

For crawl spaces, including sealed underfoot spaces that serve as heating and air conditioning plenums, apply vertical termiteicides at the rate of 4 gallons of solution per 10 linear feet per foot of depth from grade to the top of the footing, or to a minimum depth of 4 feet. Apply by trenching and jetting into the trench, or trenching. Treat both sides of foundation and around all pipes and jacks. When physical obstructions such as concrete walkways adjacent to foundation elements or other vertical structures, or rock fill or clay, make it impossible to rod or jet, it may be more feasible to apply termiteicide by drilling. When soil type and 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.

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

2. Rod holes must be spaced as to achieve a continuous termiteicide barrier but in no case more than 12 inches apart.

3. Trenches must be a minimum of 8 inches deep or to the bottom of the footing, whichever is less, and need not be wider than 8 inches. When trenching in sloping (terraced) soil, the trench must be stepped to provide adequate depth and to prevent subsidence from cutting off flow. The solution must be mixed with the soil as it is replaced in the trench.

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

Subterranean termites can be prevented from constructing shelter tubes directly between the crawl space soil surface and overhanging crawl space wooden members by the application of an overall treatment of the crawl space surfaces at the Prescribed Horizontal Barrier Rate using 0.006% to 0.10% solution of PROTHOR SC 2.

PROTHOR SC 2 can be applied as a general fan spray within crawl spaces directly to swarming and exposed worker termites at the Prescribed Horizontal Barrier Rate using a 0.006% to 0.10% solution of PROTHOR SC 2.

Note: Overall treatments (treatments where chemical is applied more than 18 inches from the foundation walls, piers and pipes) should not be applied within a crawl space that serves as a plenum.

### Structures Containing 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 one, or a combination of the following two methods:

1. To establish a horizontal barrier, apply to the soil surface, 1 gallon of solution per 10 square feet overall using a nozzle pressure of less than 35 psi and a coarse application nozzle (e.g., Delavan Type RD Raindrop, RD-7 or larger, or Spraying Systems Co. 1010LP TextJet 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 power spray 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 solution per 10 square feet. Drill spacing must be at intervals not to exceed 15 inches. Many slates have smaller intervals, so check slate regulations which may apply.

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

### Masonry Voids

Drill and treat voids in masonry elements of the structure extending from the soil to the structure in order to create a continuous termiteicide barrier in the area to be treated. Apply at the rate of 2 gallons of solution per 10 linear feet of footing using a nozzle pressure of less than 35 psi. When using this treatment access holes must be drilled below the all 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 of possible run-off as a precaution against application leakage in the treated areas. Some areas may not be treatable or may require mechanical alteration prior to treatment.

All leaks resulting in the deposition of termiteicide 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 contamined areas or to recoup the contamined areas of the structure until the clean-up is completed.

Note: When drilling venter walls, care should be taken not to drill beyond the depth of the void behind the venter into another construction layer behind the venter. It is permissible to pilot drill through the venter and into concrete blocks behind the venter and treat the venter and the concrete blocks at the same time.

Note: Not for use in voids insulated with rigid foam.

### TREATMENT OF STRUCTURES WITH WELLS AND CISTERN

Do not contaminate wells or cisterns.

### 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 of 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 solution per 10 linear feet per foot of depth of the trench. Use 0.01% or 1 gallon per 100 cubic feet of soil. See Mixing Directions for PROTHOR SC 2 for use as a Termiticide 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 solution, replace the soil into the trench.

### 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 applications:

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

2. Prior to treatment, applicators are advised to take precautions to limit the risk of applying the termiteicide 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 (for example, on the water side of the structure), the treated backfill technique (described above) can also be used to minimize offsite movement of termicide.
FOAM APPLICATION
PROCTOR SC 2, in the form of a foam, can be used to deliver PROCTOR SC 2 as a terminate any time it appears likely that treatment by use of PROCTOR SC 2 will be necessary. Conventional treatment methods may be used on the entire area, or they may be used in conjunction with PROCTOR SC 2. In situations where the concentration of PROCTOR SC 2 is low, complete treatment may be achieved using conventional treatment methods alone. In these situations or in others, it becomes necessary, conventional application methods can be supplemented through the use of foam (created by the use of foam generating equipment, or similar devices) to create a continuous treated zone. Foam can be particularly useful to deliver PROCTOR SC 2 where it otherwise cannot be applied in the application of a foam application.

Depending on the circumstances, applications of PROCTOR SC 2 may be used alone or in combination with liquid application, provided that the cumulative amount of active ingredient applied per unit of area is equivalent to that which would be applied according to a solution only application at the recommended rate. At least 75% of the gallons of PROCTOR SC 2 must be applied as a typical liquid treatment. The remaining 25% or less can be delivered to appropriate locations using a foam application. The application of the correct volume and amount of active ingredient is essential to the application of an effective treatment.

Foam Mixing Instructions
6.90 squares of PROCTOR SC 2 can be mixed with between 1 and 5 gallons of water and expanded to create 25 gallons of foam containing 0.05% active ingredient. 13.80 squares of PROCTOR SC 2 can be mixed with between 1 and 5 gallons of water and expanded to create 50 gallons of foam containing 0.05% active ingredient. See the Foam Mixing and Expansion Table below for foam mixing and expansion ratios.

Foam Mixing and Expansion Table (all mixes produce 0.05% active ingredient foam)

<table>
<thead>
<tr>
<th>Gallons of Foam Formed</th>
<th>Gallons of Water*</th>
<th>Amt. of PROCTOR SC 2 to Add to Water</th>
<th>Expansion Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>1.0</td>
<td>6.90 ounces</td>
<td>25.1</td>
</tr>
<tr>
<td>25</td>
<td>6.90 ounces</td>
<td>6.90 ounces</td>
<td>1.0</td>
</tr>
<tr>
<td>50</td>
<td>6.90 ounces</td>
<td>6.90 ounces</td>
<td>5.0</td>
</tr>
<tr>
<td>50</td>
<td>12.80 ounces</td>
<td>12.80 ounces</td>
<td>5.0</td>
</tr>
<tr>
<td>50</td>
<td>25.1</td>
<td>12.80 ounces</td>
<td>10.1</td>
</tr>
</tbody>
</table>

*Add the foaming agent manufacturer’s recommended amount of foaming agent to solutions after water and PROCTOR SC 2 are mixed. Verify that the foaming agent is compatible with PROCTOR SC 2 before mixing with PROCTOR SC 2.

Foam Application Use Directions
Using foam generating equipment, a solution of PROCTOR SC 2 (see Foam Mixing Instructions) may be converted into a predetermined amount of foam according to the foaming agent and foaming equipment manufacturer’s recommendations. Verify that the foaming agent is compatible with PROCTOR SC 2.

First, form a solution of PROCTOR SC 2 of the appropriate concentration and volume (see Foam Mixing Instructions). Then add to the solution the recommended volume of foaming agent according to the foaming agent manufacturer’s recommendations. Foam applications may be made by mobile or fixed equipment, to the correct volume and proportion of the product’s labeling. The timing and type of these applications will vary, depending on factors such as soil texture, soil temperature, soil condition, and other factors which may influence the effectiveness of the barrier. Retreatment may be necessary as a result of any of the above factors or to achieve soil treatment conditions specific to the target area.

Retreatments for subterranean termites can only be performed if there is clear evidence of reinfestation or disruption of the barrier due to construction, excavation or landing and/or evidence of the breakthrough of the termite barrier in the soil. These vulnerable or reinfested areas may be retreated in accordance with the application procedures described in this product’s labeling. The timing and type of these retreatments will vary, depending on factors such as termite pressure, soil type, soil condition and other factors which may influence the effectiveness of the barrier. Retreatment may be necessary as a result of any of the above factors or to achieve soil treatment conditions specific to the target area.

APPLICATION TO PROTECT UNDERGROUND ITEMS FROM SUBTERRANEAN TERMITES

To protect components insolated underground such as wires, conduits, cables and pipes buried in soil against termite attack, provide an envelope of PROCTOR SC 2 treated soil around the components along the entire underground length of the component. First, treat soil through which components will be run with 0.05% to 0.10% solution of PROCTOR SC 2 at a rate of 4 gallons of solution per 10 linear feet. Treat component, then cover with treated soil. Cover component with untreated soil and then treat this covering soil using the same percent solution at 2 gallons of solution per 10 linear feet. Cover component with untreated soil and then treat this covering soil using the same percent solution at 2 gallons of solution per 10 linear feet. Cover component with untreated soil and then treat this covering soil using the same percent solution at 2 gallons of solution per 10 linear feet.

Underground components to be protected may be located within the foundation of a structure or outside of a structure such as within a utility right of way, for example. Do not treat items that are electrically energized at the time of application. If the soil will not absorb the indicated amount of solution, install a 1 gallon solution per 10 linear feet for each 10 linear feet of test. Components located in an area smaller than intended when it was mixed and diluted unless under sloppy conditions. For this application rate is in excess of the maximum label rate.

APPLICATION TO PROTECT POLES, POSTS AND OTHER WOODEN ITEMS FROM SUBTERRANEAN TERMITES

PROCEDURE SC 2 can be used to protect the below ground portions of wooden structural components from termites. Form a treated zone around components below ground by vertically rodling the soil around their perimeter to a depth of six inches below their maximum depth of placement in the soil and 0.05% to 0.10% solution of PROCTOR SC 2 at a rate of 0.4 gallons of solution per linear foot of perimeter around the component per foot of treated depth. Measure the perimeter of the component six inches from the outside of the component.

APPLICATIONS TO TERMINATE CARTON NESTS LOCATED IN ABOVE GROUND WALL, VOYAGE TO SUBTERRANEAN TERMITES

Apply 0.05% to 0.10% solution of PROCTOR SC 2 directly into above ground termite pest nests including nests located in wall voids using a directional injector. Apply as a solution or foam under pressure to distribute solution throughout the nest. It may not be necessary to inject solution at one or more points and at varying depths within the nest in adequately distribute solution within the Interior of the nest.

EXTERNAL APPLICATION FOR ANT CONTROL

Apply 0.05% to 0.10% solution of PROCTOR SC 2 to the exterior of the structure as a general surface spray and fumigate in cracks and voids (areas below the structure such as crawl and hile including exterior surfaces, around doors and windows, under eaves, attic and foundation vents, utility entrances and cracks in the surface of the structure. Spray solution or foam into voids where ants or their nests are present. Apply a volume of solution sufficient to cover the target surface(s) however avoid excess dripping or runoff from vertical or overhead surfaces.

Treat soil, turf or ground cover (flower, shrub and plant beds) adjacent to the structure where ants are trailing or may find food. Ant tunnelsing in the soil may be controlled by applying a 0.05% to 0.10% solution of PROCTOR SC 2 as a drench or soil injection along the edge of foundations or other hard surfaces such as driveways. Apply in a volume sufficient to treat or cover the soil or foliage.

Insect 0.05% to 0.10% solution of PROCTOR SC 2 in the form of a spray of foam onto tree canopies or cut ends of trees white and nest holes located.

Do not treat more than once per month. Do not allow residents or pets into the immediate area during application or allow them to make contact with treated areas until spray has dried. It is recommended to remove or prune away shrubbery, bushes and trees branches touching the structure. Venom containing the structure may offer a route of entry for ants into the structure that allow ants to inhabit the structure without coming in contact with the treatment. If nests are found, direct treatment of nests with PROCTOR SC 2 can be made.

Do not use PROCTOR SC 2 against native fire ants. Imported fire ants, pharaoh ants or harvester ants. Limit applications for control of carpenter ants to treatment of non-wooden parts or surfaces of structures.

APPLICATIONS TO TURF PESTS

PROCTOR SC 2 controls or suppresses a wide range of soil inhabiting turfgrass insect pests. PROCTOR SC 2 is not for use on turfgrass grown for sale (seed farms), commercial seed production or research.

Application Sites
Permitted sites include lawns, grounds and landscapes at and around residences including multi-unit, commercial, office and shopping buildings and tennis courts, recreational areas, playgrounds, athletic fields, golf courses, cemeteries, airports and parks.

Application Timing
The active ingredient in PROCTOR SC 2, imidacloprid, has sufficiently long-lasting residual activity that applications can be made prior to egg laying by the target pest(s). Optimum control of turf pests will be obtained when application is made prior to egg hatch followed by sufficient irrigation or rain to move the active ingredient through the thatch and down into the underlying soil. Applications can be timed based on observations of the target, or the use of a soil monitoring/tiling or other methods.

If necessary, consult resources in herculine in your area (such as your Cooperative Extension Service) to determine appropriate application timing.

Post Application Watering and Mowing
Optimum control is achieved if irrigation or rainfall occurs within 24 hours after application. Uniformity of application may be adversely affected if turf is rewet prior to irrigation/wetting occurring.

Application Restrictions
Keep children and pets off treated areas until spray has dried. Application should not be made to turf that is frozen, waterlogged or is saturated with water. Turf in this condition will not allow the necessary vertical distribution of the active ingredient down into the soil.

Application Preparations
PROCTOR SC 2 can be mixed with other insecticides, miticides, fungicides and fertilizers. Follow the label directions of all the products mixed, making sure to not exceed the labeled application rate of any individual product in the mixture. Any tank mixture that has not been tested before should be tested in a full-scale use by mixing small a quantity of the mixture to ensure there is no physical or chemical incompatibility.

Application Equipment and Methods

Apply the indicated amount PROCTOR SC 2 mixed in a volume of water sufficient to adequately distribute the active ingredient to the target area(s). Apply PROCTOR SC 2 solution as a spray of uniform, coarse droplets at a pressure low enough to eliminate drift from the target area. Proper calibrated application equipment must be used to apply PROCTOR SC 2.

Turf Application Use Rates

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<th>Turf Use Rate Table for PROCTOR SC 2 for Turf Applications</th>
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<tr>
<td><strong>Use Rate</strong></td>
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<td>A</td>
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<td>B</td>
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Application Volume

The calculated amount of PROCTOR SC 2 can be applied in any volume of water as long as the maximum label rate is not exceeded by the use of PROCTOR SC 2 solution per 10 linear feet of test. Components located in an area smaller than intended when it was mixed and diluted unless under sloppy conditions. For this application rate is in excess of the maximum label rate.
Turf Pests Grouped by Use Rates

UseRate A: Liriope of: Annual bluegrass woei, Asiatic garden beetle, Bilbo, Black longstalk grasshopper, Cat's-tongue (repeatedly), Clio, European charlie, European Crane Fly, Green June beetle, Japanese beetle, Northern masked chafer, Oriental beetle, Physophaga spp., Southern masked chafer

Use Rate B: Chinch bug (suppression only), Moel Cockroaches

Application Recommendations Against Specific Turf Pests

Grubs, billbugs, annual bluegrass weevil and European cranefly: Optimum control is obtained when application is made prior to egg hatch.

Chinch bugs: To maximize suppression, make application prior to hatch of the last instar nymph.

Mole crickets: Make application prior to or during the period of peak egg hatch. Apply an adulticide in conjunction with PROTHOR SC 2 at adults or large nymphs are present and tunneling at the time of application.

FOLIAR AND BROADCAST APPLICATION FOR ORNAMENTAL PESTS

PROTHOR SC 2, applied to foliage and broadcast on the soil, controls a wide range of insects on trees (including non-bearing fruit and nut trees), shrubs, evergreens, flowers, foliage plants, ground covers and interior plantas. Non-bearing trees are perennial plants that will not produce a harvestable agricultural commodity within the next 12 months. PROTHOR SC 2 is not for use on plants being grown for sale, fruit, nut or commercial seed production or for research purposes.

PROTHOR SC 2 is a systemic insecticide meaning it will be translocated by the plant's vascular system from the roots up into the body of the plant. This means optimum effectiveness of PROTHOR SC 2 is realized when PROTHOR SC 2 is applied on or near a growing portion of the plant from which it can be translocated to other parts of the plant. Combining PROTHOR SC 2 with a nitrogen containing fertilizer may accelerate or otherwise enhance the uptake of the active ingredient into the plant.

Translocation of soil directed applications made to woody stemmed plants can be delayed by up to 60 days. Optimum levels of control are realized when applications are performed sufficiently prior to anticipated pest infestations.

Application Sites

For use on ornamental plants including trees (including non-bearing fruit and nut trees), shrubs, evergreens, flowers, ground covers, bedding plants and foliage plants. Permitted sites include but are not limited to landscapes, forests (public and private), ornamental gardens, parks, lawns, grounds, golf courses and interior plantas at and/or around residences including multi-unit, commercial, office and shopping buildings and complexes, recreational areas, playgrounds, athletic fields, golf courses, cemeteries, airports and parks. Public and private wooded and forested areas.

Application Preparation

PROTHOR SC 2 can be mixed with other insecticides, miticides, fungicides and fertilizers. Follow the label directions of all the products mixed, making sure to not exceed the maximum label application rate of any individual product in the mixture. Any tank mixture that has not been tested before should be tested before field use by first mixing a small quantity of the mixture to ensure there is no physical or chemical incompatibility.

If necessary, consult resources in horticulture in your area (such as your Cooperative Extension Service) to determine appropriate application timing. Do not apply through any irrigation system.

Foliar Application

Foliar application of PROTHOR SC 2 offers local systemic activity against insect pests. Applications to plants with no leaf foliage such as boxwood, privet or ivy should be applied in combination with a spreader/slicker.

Ornamental Application to Control Ants

PROTHOR SC 2 can be used to indirectly control ants when applied to turf, shrubs, trees, and other vegetation. Also applies to a number of ornamental plants.

Foliar Application Volumes and Application Methods

Establish quantity of water necessary to uniformly wet foliage. Mix required amount of PROTHOR SC 2 (from the table below) in that quantity of water. Begin treatments prior to establishment of high pest populations. Repeat as needed.

Mixing Table for PROTHOR SC 2 for Foliar Applications

| 1.5 oz (45 ml) per 100 gallons of water. |

Ornamental Plants Controlled by Foliar Application

Adeleas, Asian garden web, Leaf beetles, Japanese beetles, Lace bugs, Leaf beetles (including elm and viburnum leaf beetles), Leaffophers (including glassy-winged sharpshooter), Malacosoma, Psyllidea, Sapta larvae, Thrips (suppression), Whitelines.

Broadcast Application

Broadcast Application Use Rate

| 0.48 to 0.56 oz (4 to 17 ml) per 1,000 sq ft. |

Broadcast Application Volume and Application Method

Mix required amount of product in a quantity of water sufficient to uniformly treat area. Use a minimum of 2 gallons of water per 1000 square feet. To achieve optimum control, irrigate treated area in order to incorporate treatment into upper level of soil. May be applied and incorporated into flowering plants before planting.

Do not exceed the maximum label rate by applying solution to an area smaller than intended when it was mixed and diluted unless such under dosing will not result in an application rate in excess of the maximum label rate.

Ornamental Pests Controlled by Broadcast Application

White grub larvae such as Japanese beetles, Chafer, Physophaga spp., Asiatic garden beetle, Oriental beetle.

SOIL INJECTION AND SOIL DRENCH FOR ORNAMENTAL PESTS

PROTHOR SC 2, applied as a soil drench or soil injection, controls a wide range of insects on trees (including non-bearing fruit and nut trees), shrubs, evergreens, flowers, foliage plants, ground covers and interior plantas.

PROTHOR SC 2 is a systemic insecticide meaning it will be translocated by the plant's vascular system from the roots up into the body of the plant. This means optimum effectiveness of PROTHOR SC 2 is realized when PROTHOR SC 2 is applied on or near a growing portion of the plant from which it can be translocated to other parts of the plant. Combining PROTHOR SC 2 with a nitrogen containing fertilizer may accelerate or otherwise enhance the uptake of the active ingredient into the plant.

Translocation of soil directed applications made to woody stemmed plants can be delayed by up to 60 days. Optimum levels of control are realized when applications are performed sufficiently prior to anticipated pest infestations.

Applications to trees for the control of existing borer infestations may not prevent the eventual loss of the tree due to existing damage already caused by the pest and stress to the tree caused by the pest infestation.

Application Sites

For use on ornamental plants including trees (including non-bearing fruit and nut trees), shrubs, evergreens, flowers, ground covers, bedding plants and foliage plants. Permitted sites include but are not limited to landscapes, forests (public and private), ornamental gardens, parks, lawns, grounds, golf courses and interior plantas at and/or around residences including multi-unit, commercial, office and shopping buildings and complexes, recreational areas, playgrounds, athletic fields, golf courses, cemeteries, airports and parks. Public and private wooded and forested areas.

Application Preparation

PROTHOR SC 2 can be mixed with other insecticides, miticides, fungicides and fertilizers. Follow the label directions of all the products mixed, making sure to not exceed the labeled application rate of any individual product in the mixture. Any tank mixture that has not been tested before should be tested before full scale use by first mixing a small quantity of the mixture to ensure there is no physical or chemical incompatibility.

If necessary, consult resources in horticulture in your area (such as your Cooperative Extension Service) to determine appropriate application timing. Do not apply through any irrigation system.

Ornamental Pests Controlled by Soil Injection or Drench Application

Adelges, Aphids, Armoured scales (suppression), Black vine weevil larvae, Emerald ash borer, Eucalyptus borers, brown borers, Flattened borers (including bronze birch borer and alder borer), Japanese beetles, Lace bugs, Leaf beetles (including elm and viburnum leaf beetles), Leaffophers (including glassy-winged sharpshooter), Leaf miners, Malacosoma, Pine borer larvae, Psyllidea, Royal palm bugs, Sapta larvae, Scale insects, Thrips (suppression only), White grub larvae, Whitelines.

Soil Injection for Trees

Soil Injection is not allowed in Nassau and Suffolk Counties of New York

Soil Injection Use Rate for Trees

| 0.1 to 0.7 oz (3 to 6 ml) per inch of trunk diameter (D, B, H) |

Soil Injection Volume and Application Method for Trees

Mix the calculated amount of PROTHOR SC 2 in the amount of water determined to be adequate for the treatment to be adequately dispersed. Apply at a low pressure according to one of the two following methods. Make a minimum of 4 injection holes per tree. For optimum control, maintain a high level of soil moisture in the treated area for 7 to 10 days after treatment.

Grid Injection: Every space holes on 2.5 foot centers in a grid pattern in the soil beneath the tree's branches/foliage out to the tree's drip line.

Basal Injection: Every space injection holes based on the tree no more than 12 inches out from the tree.

Soil Drench for Trees

Soil Drench Use Rate for Trees

| 0.1 to 0.7 oz (3 to 6 ml) per inch of trunk diameter (D, B, H) |

Soil Drench Volume and Application Method for Trees

Mix the calculated amount of PROTHOR SC 2 in the amount of water determined to be adequate for the solution to be adequately dispersed. Apply at a solution of no less than 10 gallons per 1050 square feet around the base of the tree. If present, remove any barrier to the movement of the solution into the soil such as a plastic vapor barrier.

Soil Injection for Shrubs

Soil Injection Use Rate for Shrubs

| 0.1 to 0.7 oz (3 to 6 ml) per foot of shrub height |

Soil Injection Volume and Application Method for Shrubs

Mix the calculated amount of PROTHOR SC 2 in the amount of water determined to be adequate for the solution to be adequately dispersed. Apply at a solution of no less than 10 gallons per 1050 square feet around the base of the shrub. If present, remove any barrier to the movement of the solution into the soil such as a plastic vapor barrier.

RESTRICTIONS

Do not graze treated areas or use clipping from treated areas for feed or forage. Avoid runoff or puddling of irrigation water following application. Avoid application to areas in which penetration to the root zone is unlikely to occur such as areas that are waterlogged, saturated or frozen. Do not apply to soil in areas where edible plants may be planted. Do not plant edible plants in soil that has been treated with PROTHOR SC 2.
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