

6/26/97

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3125-497

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
3125-497

Date of Issuance:  
**JUN 26 1997**

Term of Issuance:  
Conditional

Name of Pesticide Product:  
Premise 0.5 SC

NOTICE OF PESTICIDE:  
  x   Registration  
       Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Bayer Corporation, Agriculture Division  
8400 Hawthorn Road  
P.O. Box 4913  
Kansas City, MO 64120-0013

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c) (7) (A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c) (5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label change before the product is released for shipment:

Add the designation "EPA Reg. No. 3125-497".

3. Submit two copies of the revised final printed label before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

*Elizabeth T. Haebener*

Date:

6/26/97

Premise 0.5 SC

UOT-8962.YLD

U.S. LABEL

Base Pre-Reg (8962)

2/9

Reason to Issue: To propose registration of new formulation. 05/23/97 Draft: To revise according to ASPCRO comments. 05/30/97 Draft: To add mixing table. 06/16/97: To revise according to ASPCRO comments.

Date of Draft: 06/16/97 (Pre-Reg) (S)  
Supersedes Pre-Reg Drafts: 10/03/96  
05/23/97 and 05/30/97

# Premise® 0.5 SC

## Insecticide

For use by individuals/firms licensed or registered by the state to apply termiticide 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 control of subterranean termites and carpenter ants.

Shake well before using.

### ACTIVE INGREDIENT:

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine .....	5.65%
INERT INGREDIENTS .....	94.35%
	100.00%

Contains 0.5 pounds of imidacloprid per gallon.

Net Contents: ~~4.000 Pounds~~  
with COMMENTS  
in EPA Letter Dated

**STOP - Read The Label Before Use**  
**KEEP OUT OF REACH OF CHILDREN**

**JUN 26 1997**

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

## CAUTION

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

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

Remove contaminated clothing and wash before reuse. Keep children or pets away from treated area until dry.

When treating adjacent to an existing structure, the applicator must check the area to be treated, and immediately adjacent areas of the structure, for visible and accessible cracks and holes to prevent any leaks or significant exposures to

persons occupying the structure. People present or residing in the structure during application must be advised to remove their pets and themselves from the structure if they see any signs of leakage. After application, the applicator is required to check for leaks. All leaks resulting in the deposition of termiticide 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.

### STATEMENTS OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. Administer 1

tablespoonful (15 mL) of syrup of ipecac followed by 1 to 2 glasses of water. If vomiting does not occur within 20 minutes, repeat the dose once. Do not induce vomiting or give anything by mouth to an unconscious person. If

on skin: Wash thoroughly with soap and water. Get medical attention if irritation occurs. If in eyes: Hold eyelids open

and flush with plenty of water. To Physician: No specific antidote is available. Treat the patient symptomatically.

**ENVIRONMENTAL HAZARDS**

This product 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 washwaters. Apply this product only as specified on this label.

Extreme care must be taken to avoid runoff. Apply only to soil or other fill substrate that will accept the solution at the specified rate. For example, do not treat water-saturated or frozen soil which will accept little or no solution. Do not treat while precipitation is occurring.

**WARRANTY**

**WARRANTY DISCLAIMER:** BAYER WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL AND IS REASONABLY FIT FOR THE PURPOSE STATED ON THE LABEL WHEN USED IN STRICT ACCORDANCE WITH THE DIRECTIONS, SUBJECT TO THE CONDITIONS FOR SALE SET FORTH BELOW. BAYER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INDOORS AND OUTDOORS UNDER CONDITIONS SIMILAR TO THOSE THAT ARE ORDINARY AND CUSTOMARY WHERE THE PRODUCT IS TO BE USED. INSUFFICIENT CONTROL OF PESTS MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL CONDITIONS, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO ANIMALS, MAN, AND DAMAGE TO THE ENVIRONMENT. BAYER OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL ENVIRONMENTAL CONDITIONS, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF BAYER AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

**CONDITIONS OF SALE:** THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE APPROPRIATE FOR THE CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED UNDER DIFFERENT ENVIRONMENTAL CONDITIONS BOTH

**DIRECTIONS FOR USE**

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

Do not formulate this product into other end-use products.

Do not treat soil beneath structures that contain cisterns or wells. Consult state and local specifications for recommended distances of wells from treated area, or if such regulations do not exist, refer to Federal Housing Administration Specifications (H.U.D.) for guidance.

**MIXING:** Refer to Mixing Table for proper amount of PREMISE 0.5 SC Insecticide to be used.

**IMPORTANT:** Read these entire DIRECTIONS FOR USE, before using PREMISE 0.5 SC Insecticide.

Mix the termiticide use dilution in the following manner: Fill tank 1/4 to 1/3 full. Start pump to begin bypass agitation and place end of treating tool in tank to allow circulation through hose. Add appropriate amount of PREMISE 0.5 SC. Add remaining amount of water. Let pump run and allow recirculation through the hose for 2 to 3 minutes.

MIXING TABLE FOR PREMISE 0.5 SC INSECTICIDE			
GALLONS WATER	PLUS	0.05%	0.1%
100		110.0 fl oz	220.0 fl oz
50		55.0 fl oz	110.0 fl oz
25		27.5 fl oz	55.0 fl oz
1		1.1 fl oz	2.2 fl oz

**IN-LINE-INJECTION:** For the desired application rate, use the proportional injector mixing table to determine the amount of PREMISE 0.5 SC Insecticide for a given injection volume of finished emulsion.

**CONVERSION KEY:** 128 fl oz = 1 gal, 16 fl oz = 1 pint, 8 pints = 1 gal, 1 fl oz = 29.5 mL

PROPORTIONAL INJECTOR MIXING TABLE FOR PREMISE 0.5 SC INSECTICIDE	
INJECTOR VOLUME (fl oz/gal)	CONCENTRATION (%)
1.10	0.05
2.20	0.10

### CONTROL - GENERAL

Treatment standards for subterranean termite control may vary due to regulations, treatment procedures, soil types, construction practices and other factors. The purpose of chemical soil treatment for termite control is to establish a continuous chemical treated zone (horizontal and/or vertical as needed) between the wood and other cellulose material in the structure and the termite colonies in the soil. Follow all federal, state, and local regulations and treatment standards for protection of a structure from termites. In some instances where an aerial or above ground colony is established,

supplemental treatments to control the termites, landscape modifications, and/or structural repairs may be needed to deprive termites of a moisture source. All treatment directions contained in this label may not be necessary to provide adequate protection against termites. Use a 0.05% to 0.1% dilution based on local recommendations. Generally a 0.05% dilution is used for typical control situations. Where severe or persistent infestations occur a 0.1% dilution may be used.

### PRE-CONSTRUCTION TREATMENT

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

Prior to each application, applicators must notify the general contractor, construction superintendent, or similar responsible party, of the intended termiticide application and intended sites of application and instruct the responsible person to notify construction workers and other individuals to leave the area to be treated during application and until the termiticide 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 under carports, porches, basement floor and entrance platforms. Apply at the rate of 1 gallon of solution to adequately cover 10 square feet. If fill under slab is gravel or other coarse aggregate, apply at the rate of 1.5 gallons of solution to accurately and uniformly cover 10 square feet. In addition, apply 4 gallons of solution\* per 10 linear feet per foot of depth to provide a uniform treated zone in soil at critical areas such as along the inside of foundation walls, and around plumbing, bath traps, utility services, and other features that will penetrate the slab.

After completion of grading, make an application by trenching or trenching and rodding around the slab or foundation perimeter. Rodding may be done from the bottom of a shallow trench. When rodding, rod holes should be spaced in a manner that will allow for a continuous chemical treated

zone to be deposited along the treated area. Rod holes should not extend below the footing. Apply 4 gallons of solution\* per 10 linear feet, per foot of depth to provide a uniform treated zone. When trenching, the trench along the outside foundation should be about 6 inches in width and 6 inches in depth. Use a low pressure spray to treat soil which will be placed in the trench after rodding. Mix the spray solution with soil as it is being placed in the trench. When treating voids in hollow masonry units, use 2 gallons of solution per 10 linear feet of wall. Apply solution so it will reach the footing by injecting into the lower areas of the wall, just above the floor or footing.

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.

Rodding in trench followed by flooding of trench and treatment of backfill may provide a better opportunity to achieve a continuous chemical treated zone than using soil rodding alone to establish a vertical termiticide treated zone.

### \*APPLICATION VOLUME

It is recommended that application volumes described in the PREMISE 0.5 SC Insecticide "DIRECTIONS FOR USE" be used whenever possible. However, where soil conditions will not accept application of 4 gallons of PREMISE 0.5 SC Insecticide per 10 linear feet, twice the PREMISE concentration may be applied in 2 gallons of solution per 10 linear feet. For example, if 0.05% is the correct use rate to be applied in 4 gallons of water, then 2 gallons of 0.1% dilution may be used per 10 linear feet to deliver an equivalent amount of PREMISE per unit of soil.

**CRAWL SPACES:** Application should be made by trenching and/or rodding downward along the inside and outside of foundation walls, around piers, interior supports in contact with the soil, plumbing, and utility services. Apply 4 gallons of solution\* per 10 linear feet, per foot of depth to provide a uniform treated zone. Rodding may be done from the bottom of a shallow trench to top of the footing or a minimum of 4 feet. When rodding, rod holes should be spaced in a manner that will allow for a continuous chemical treated zone to be deposited along the treated area. Rod holes should not extend below 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 OR VOIDS:** Hollow block foundations or voids in masonry resting on the footing

may be treated to provide a continuous chemical 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 rubble foundation walls must be closely examined. Applicators must inspect areas of possible runoff 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 termiticide 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 reoccupy contaminated areas or to reoccupy the contaminated areas of the structure until the clean up is completed.

## POST-CONSTRUCTION TREATMENT

**CONCRETE SLAB-ON-GROUND:** To apply a treatment under the slab, including attached porches, carports, entrance platforms, garages and similar slab structures, it may be necessary to drill through the slab or exterior foundation. Drill holes should be spaced in a manner that will allow for application of a continuous chemical treated zone. Treat all existing cracks and cold, construction or expansion joints. Also, treat around bath traps, plumbing and utility services which penetrate the slab. Apply 4 gallons of solution\* per 10 linear feet per foot of depth to provide a uniform treated zone. **DO NOT MAKE TREATMENT UNTIL LOCATION OF HEAT OR AIR CONDITIONING DUCTS AND VENTS ARE KNOWN AND IDENTIFIED. USE EXTREME CAUTION TO AVOID CONTAMINATION OF DUCTS AND VENTS.** Plug and fill all drilled holes in commonly occupied areas with a suitable sealant. Plugs must be of non-cellulose material or covered by an impervious, non-cellulose material.

An application should be made by trenching or trenching and rodding around the outside of the foundation wall. Apply 4 gallons of solution\* per 10 linear feet per foot of depth to provide a uniform treated zone. When trenching, the trench along the outside foundation should be about 6 inches wide and 6 inches deep. Use a low pressure spray to treat soil as it is being placed in the trench.

Rodding can be done from the bottom of a shallow trench. When rodding, rod holes should be spaced in a manner that will allow for a continuous chemical treated zone to be deposited along the treated area. Rod hole depth should not extend below the footing.

**BATH TRAPS:** Exposed soil or soil covered with tar or a similar type sealant beneath and around plumbing and/or drain pipe entry areas should be treated with 3 gallons of solution per square foot. An access door or inspection vent should be cut and installed, if not already present. After inspection and removal of any wood or cellulose debris, the soil can be treated by rodding or drenching the soil.

**CRAWL SPACES:** When there is insufficient clearance between floor joists and ground surfaces to allow applicator access, excavate, if possible, and treat according to crawl spaces (refer to Pre-Construction Treatment). If unable to excavate, crawl space soil and wood treatment may be used to prevent surface access by termites. Apply 1 gallon of solution\* per 10 square feet to provide a uniform chemical treated zone. Use a very coarse spray at a pressure not exceeding 25 PSI at the treatment tool when the valve is open.

Where a crawl space cannot be reached with the application wand, use extension wands or other suitable equipment to apply a coarse spray on the soil, wood and structural members contacting the soil at the above rates. Do not apply to inaccessible crawl space areas using pressures greater than 25 PSI at the treatment tool when the valve is open.

Treatment may also be made by drilling through the foundation wall or through the floor above and treating the soil perimeter at a rate of 1 gallon of solution per 10 square feet. Drill spacing must be at intervals not to exceed 16 inches. Many states have smaller intervals so check state regulations which may apply.

### \*APPLICATION VOLUME

It is recommended that application volumes described in the PREMISE 0.5 SC Insecticide "DIRECTIONS FOR USE" be used whenever possible. However, where soil conditions will not accept application of 4 gallons of PREMISE 0.5 SC Insecticide per 10 linear feet, twice the PREMISE concentration may be applied in 2 gallons of solution per 10 linear feet. For example, if 0.05% is the correct use rate to be applied in 4 gallons of water, then 2 gallons of 0.1% dilution may be used per 10 linear feet to deliver an equivalent amount of PREMISE per unit of soil.

To prevent subterranean termites from constructing mudtubes between soil and crawl space wood members above, an overall soil treatment of this product may be applied. Remove all cellulose debris before application. Apply 1 gallon of solution\* per 10 square feet to provide a uniform chemical treated zone.

**SHALLOW FOUNDATIONS:** For shallow foundations, one foot or less in depth, dig a narrow trench approximately 6 inches wide and deep along the outside and inside of the foundation walls, being careful not to dig below the bottom of the footings. For foundations with exposed footings, dig a trench alongside the footing taking care not to undermine the footing. Apply 4 gallons of solution\* per 10 linear feet to the top of footer to provide a uniform treated zone. The dilution should be applied to the trench and mixed with the soil as it is placed in the trench.

**BASEMENTS - OUTSIDE PERIMETER:** Along the outside of the exterior walls, an application must be made by trenching or rodding within the trench. Rodding depth should be to the top of the footer, or to a minimum of 4 feet or according to state or local regulations. When rodding through a trench, dig a narrow trench about 6 inches wide and 6 inches deep. Apply 4 gallons of solution\* per 10 linear feet, per foot of depth to provide a uniform treated zone by rodding through the trench. Use a low pressure spray to treat soil which will be placed into the trench after rodding. Mix spray solution with the soil as it is being placed in the trench.

**BASEMENTS - INSIDE PERIMETER:** Treat by drilling along the perimeter of the interior walls. Applications also may be necessary around sewer pipes, floor drains, conduits, expansion joints or any cracks or holes in the basement floor. Apply 4 gallons of solution\* per 10 linear feet to provide a uniform treated zone.

Drill holes should be spaced in a manner that will allow for application of a continuous chemical treated zone. Plug and fill all drill holes in commonly occupied areas of the building with a suitable sealant. Plugs must be of non-cellulose material or covered by an impervious, non-cellulose material.

**HOLLOW BLOCK FOUNDATION OR VOIDS:** Hollow block foundations or voids in masonry resting on the footing may be treated to provide a continuous chemical 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. Drill spacing must be at intervals not to exceed 16 inches. Many states have smaller intervals so check state regulations which may apply

Treatment of voids in block or rubble foundation walls must be closely examined. Applicators must inspect areas of

possible runoff 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 termiticide 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 or reoccupy contaminated areas or to reoccupy the contaminated areas of the structure until the clean up is completed (refer to Precautionary Statements).

**PLENUMS:** For plenum-type structures which use a sealed underfloor space to circulate heated and/or cooled air throughout the structure, apply the dilution at the rate of 4 gallons of solution\* per 10 linear feet, per foot of depth of soil to provide a uniform treated zone adjacent to both sides of foundation walls, supporting piers, plumbing and conduits. The soil should be treated by trenching to a depth of 6 inches or trenching and rodding (where conditions permit) or to the top of the footing. When conditions will not permit trenching or rodding, a surface application adjacent to interior foundation walls may be made, but the treated strip shall not exceed a width of 18 inches, horizontally, from the foundation walls, piers or pipes. The surface application will be made at a rate of 1.5 gallons of solution per 10 square feet as a very coarse spray under low pressure (not to exceed 25 PSI when measured at the treating tool when valve is on).

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

**TREATMENT AROUND WELLS OR CISTERNS:** 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/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 solution per 10 linear feet per foot of depth of the trench, or 1 gallon per 1.0 cubic feet of soil. Mix thoroughly into the soil taking care to contain the liquid and prevent runoff or spillage.

#### \*APPLICATION VOLUME

It is recommended that application volumes described in the PREMISE 0.5 SC Insecticide "DIRECTIONS FOR USE" be used whenever possible. However, where soil conditions will not accept application of 4 gallons of PREMISE 0.5 SC Insecticide per 10 linear feet, twice the PREMISE concentration may be applied in 2 gallons of solution per 10 linear feet. For example, if 0.05% is the correct use rate to be applied in 4 gallons of water, then 2 gallons of 0.1% dilution may be used per 10 linear feet to deliver an equivalent amount of PREMISE per unit of soil.

- c) After the treated soil has absorbed the solution, 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 Pests" 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 termiticide into subsurface drains that could empty into any bodies of water. These precautions include evaluating whether application of the termiticide 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 termiticide.

**FOAM APPLICATIONS**

Construction practices, soil subsidence and other factors may create situations in which a continuous chemical treated zone cannot be achieved using conventional treatment alone. In situations where necessary, conventional application methods can be supplemented through use of foam generating equipment, or similar devices can be used to provide a continuous treated zone.

The objective with termiticide foam, as with termiticide solution, is to deliver an adequate rate of termiticide active ingredient to soil and structural points in order to create a complete treated zone to control termites and protect structures from termite damage. Foaming is a useful and versatile tool, but should be used strategically when structural and soil features dictate that foam will achieve or improve the desired termiticide delivery. Some key benefits to foam are: delivery of the active ingredient without the volume of fluid that could damage structures in certain situations, movement of foam over surfaces carrying termiticide to areas where

solution may not reach or be deflected, and stackable characteristics to foam permitting delivery of termiticide to multi-faceted surfaces and voids. Termiticide solution will remain the primary tool for delivery of termiticide active ingredient to provide structural protection and pest control operators will have to make some decisions on when best to use termiticide foam.

Foam application may be made alone or in combination with conventional application methods, provided that the labeled amount of active ingredient per unit area is used.

**Foam Application Use Directions:** Mix solution of PREMISE 0.5 SC Insecticide with manufacturer's recommended volume of foaming agent (see table for foaming recommendations). Apply a sufficient volume of PREMISE 0.5 SC Insecticide foam alone or in combination with liquid solution to provide a continuous treated zone at the recommended rate for specific application sites.

MIXING TABLE FOR PREMISE 0.5 SC INSECTICIDE FOAM				
PREMISE 0.5* (fl oz)	GALLONS OF WATER	FOAM EXPANSION RATIO	FINISHED FOAM (gallons)	FINISHED FOAM (air%)
1.7	1	25:1	25	0.05
	2.5	10:1		
	5	5:1		
3.5	1	50:1	50	
	2.5	20:1		
	5	10:1		

\* Add the manufacturer's recommended quantity of foam agent to the PREMISE 0.5 SC Insecticide solution.

Depending on the circumstances, foam applications may be used alone or in combination with liquid solution applications. Applications may be made behind veneers, piers, chimney

bases, into rubble foundations, into block voids or structural voids, wall voids, under slabs, stoops, porches, or to the soil in crawlspaces, and other similar voids.

**\*APPLICATION VOLUME**

It is recommended that application volumes described in the PREMISE 0.5 SC Insecticide "DIRECTIONS FOR USE" be used whenever possible. However, where soil conditions will not accept application of 4 gallons of PREMISE 0.5 SC Insecticide per 10 linear feet, twice the PREMISE concentration may be applied in 2 gallons of solution per 10 linear feet. For example, if 0.05% is the correct use rate to be applied in 4 gallons of water, then 2 gallons of 0.1% dilution may be used per 10 linear feet to deliver an equivalent amount of PREMISE per unit of soil.

## CONTROL OF WOOD INFESTING PESTS

For control of above ground termites and carpenter ants in localized areas, apply a 0.05 to 0.1% solution or sufficient volume of PREMISE 0.5 SC Insecticide foam to voids and galleries in damaged wood, and in spaces between wooden structural members and between the sill plate and foundation where wood is vulnerable. Applications may be made to inaccessible areas by drilling, and then injecting the suspension or foam with a suitable directional injector into the damaged wood or wall voids. Termite carton nests in building voids may be injected with a 0.05 to 0.1% suspension or foam. 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. Application to attics, crawl spaces, unfinished basements, or man-made voids may be made with a coarse fan spray of 0.05 to 0.1% solution or foam to control exposed worker and winged reproductive forms of termites or carpenter ants. This type of application is intended to be a supplemental treatment for control of above ground subterranean termites and carpenter ants.

For control of above ground termites and carpenter ants inside trees, utility poles, fencing and decking materials and similar structural members, locate the interior infested cavity and inject a 0.05 to 0.1% solution or sufficient volume of PREMISE 0.5 SC Insecticide foam using an appropriate treatment tool with a splashback guard. Retreat as needed.

Termite carton nests in trees may be injected with a 0.05 to 0.1% solution or sufficient volume of foam using a pointed injection tool. Multiple injection points to varying depths may be necessary. It is desirable to physically remove carton nest material from trees when such nests are found.

For protection of firewood from carpenter ants and termites, treat soil beneath firewood prior to stacking with a 0.05 to 0.1% solution at 1 gallon per 10 square feet to prevent carpenter ant or termite infestation.

For control of carpenter ants in houses and other structures, apply a 0.05 to 0.1% solution as a general surface, spot, crack and crevice or wall void application. Wall voids and crack and crevice treatments may be made with sufficient volume of Premise 0.5 SC Insecticide foam. Repeat treatments when necessary. Apply around doors and windows and other places where carpenter ants may enter the structure. Apply to cracks and crevices or through small drilled holes into voids where these ants or their nests are present. Use a sufficient amount of coarse spray or foam to cover the area.

For control of tunneling carpenter ants in soil, apply a 0.05 to 0.1% solution\* as a drench or inject the solution at 8" to 12" intervals or sufficient volume of PREMISE 0.5 SC Insecticide foam at intervals sufficient to establish a continuous treated zone. Establish a uniform vertical treated zone at the edge of walls, driveways or other hard surfaces where ants are tunneling beneath the surfaces.

## RETREATMENT

Retreatment for subterranean termites can only be performed if there is clear evidence of reinfestation or disruption of the treated zone due to construction, excavation, or landscaping and/or evidence of the breakdown of the termiticide treated zone in the soil. These vulnerable or reinfested areas may be retreated in accordance with application techniques described in this product's labeling. The timing and type of these retreatments will vary, depending on factors such as

termite pressure, soil types, soil conditions and other factors which may reduce the effectiveness of the treated zone. Retreatment may be made as either a spot or complete treatment.

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

## GENERAL PRECAUTIONS FOR APPLICATIONS

After treatment, plug and fill all holes drilled in concrete slab areas of the building with a suitable sealant.

Do not plant for the purpose of consumption, edible plants into the treated areas of soil.

Do not apply solution until location of heat pipes, ducts, water and sewer lines and electrical conduits are known and identified. Caution must be taken to avoid puncturing and injection into these structural elements.

Avoid contamination of public and private water supplies.

Use anti-backflow equipment or an air gap on filling hoses.

## \*APPLICATION VOLUME

It is recommended that application volumes described in the PREMISE 0.5 SC Insecticide "DIRECTIONS FOR USE" be used whenever possible. However, where soil conditions will not accept application of 4 gallons of PREMISE 0.5 SC Insecticide per 10 linear feet, twice the PREMISE concentration may be applied in 2 gallons of solution per 10 linear feet. For example, if 0.05% is the correct use rate to be applied in 4 gallons of water, then 2 gallons of 0.1% dilution may be used per 10 linear feet to deliver an equivalent amount of PREMISE per unit of soil.



Consult State, Federal, or local authorities for information regarding the approved treatment practices for areas in close

proximity to potable water supplies.

### STORAGE AND DISPOSAL

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

**Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site (in the treatment area) or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticide above. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Kansas City Emergency Response telephone number is 800-414-0244, or contact Chemtrec at 800-424-9300.