GROUP	28	INSECTICIDE

ALTRISET™ Termiticide

INSECTICIDE

SUSPENSION

COMMERCIAL

This product is to be used only by licensed pest control operators authorized with permits by government for control of subterranean termite populations infesting buildings. For use only in areas where there is a risk of infestation from subterranean termites. Not for sale to the general public.

FOR USE ONLY BY LICENSED PEST CONTROL OPERATORS

GUARANTEE:
Chlorantraniliprole..... 200 g/L
Contains 1,2-Benzisothiazolin-3-one at 0.02% as a preservative.

READ THE LABEL AND PAMPHLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

REGISTRATION NO.: **30862**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **0.1 - 100 LITRES**

Syngenta Canada Inc.
140 Research Lane, Research Park
Guelph, Ontario
N1G 4Z3
Telephone: 1-877-964-3682

Pamphlet

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

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 centre or doctor for further 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 centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION

Treat symptomatically. This product contains a petroleum distillate. Vomiting may cause aspiration pneumonia.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Wear long sleeves, long pants and chemical resistant gloves while mixing/loading, applying and during clean up and repair.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

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.

ENVIRONMENTAL HAZARDS

Toxic to aquatic organisms.

The use of this chemical may result in contamination of groundwater particularly in areas where soil is permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands), estuarine/marine habitats.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

STORAGE

Store product in original container only, away from other pesticides, fertilizer, food or feed. Not for use or storage in or around the home. Keep container closed. To prevent contamination, store this product away from food or feed.

DISPOSAL

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING, CALL 1-800-327-8633 (FASTMED)

GENERAL INFORMATION

ALTRISET™ Termiticide is intended for use as a remedial and/or preventive subterranean termite control product in both pre- and post-construction situations. When treating structures for control/protection against subterranean termite infestations, apply ALTRISET Termiticide in a manner as to provide a continuous treatment zone. Every attempt to maintain the continuous treatment zone must be made.

ALTRISET Termiticide is effective against subterranean termites including species of *Reticulitermes*, *Coptotermes*, and *Heterotermes*.

DIRECTIONS FOR USE

This product is to be used only by licensed pest control operators authorized with permits by government for control of subterranean termite populations infesting buildings. For use only in areas where there is a risk of infestation from subterranean termites.
Not for sale to the general public.

SPRAYER CLEANUP

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove.

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation.

Dispose of waste rinse water in accordance with local regulations.

PRECAUTIONS

Prior to treatment, the applicator must check the area to be treated and the areas immediately adjacent to the structure for visible and accessible cracks and holes to prevent leaks or significant exposures to persons occupying the structure.

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 areas where leak occurred until the clean up is completed.

Do not apply ALTRISET Termiticide finished solution until the location and type of construction of (1) heat or air-conditioning ducts and vents, (2) water and sewer (or plumbing) lines and (3) electrical lines/conduits are known and identified. Caution must be taken not to contaminate or damage these structural elements and airways.

Do not apply to electrical switches or receptacles or other wiring where electrical hazards exist.

- Keep people and pets out of area being treated during application.
- Do not contaminate public or private water supplies.

- Do no treat soil that is frozen or water saturated soil that will not accept the termiticide.
- Use anti-back flow equipment on all filling hoses.

ALTRISET Termiticide must be applied by technicians familiar with trenching, rodding, short rodding, sub slab injection, wood injection systems, wall void injection systems, reticulation systems (both sub slab and wall voids) and foam delivery systems.

- Apply ALTRISET Termiticide using a concentration of 0.05% to control subterranean termites. For vertical treatments where the soil will not accept the full label application volume, ALTRISET Termiticide may be applied at a concentration of 0.1% at half the volume to control subterranean termites.
- ALTRISET Termiticide is formulated as a water-based suspension concentrate.
- ALTRISET Termiticide may not be completely effective unless conducive conditions (i.e., moisture problems, direct soil contact) are corrected.

APPLICATION INSTRUCTIONS

Application tanks must be cleaned prior to mixing ALTRISET Termiticide.

ALTRISET Termiticide must be applied as a dilute finished application using directions contained in the table below.

Table 1: Mixing Table for ALTRISET Termiticide

Litres of ALTRISET Termiticide finished solution desired	Amount of ALTRISET (mL) Termiticide required to obtain the amount of finished solution required
	0.05%
1	2.7
10	27
25	68
50	136
100	272

MIXING INSTRUCTIONS

Application equipment must be clean and free of visible pesticide deposits before mixing ALTRISET Termiticide. Mix ALTRISET Termiticide in the following manner:

1. Use clean, well maintained application equipment.
2. Fill sprayer tank 1/4 to 1/2 full with water.
3. Start pump to begin by-pass agitation and place end of treating tool in tank to allow circulation through hose.
4. Shake the container of ALTRISET Termiticide well before pouring into tank.
5. Add required amount of ALTRISET Termiticide according to Table 1, as appropriate.
6. Let pump run and allow re-circulation through the hose.
7. Add the remaining amount of water.

Note: The spray tank mixture should not be stored in the tank overnight. If this cannot be avoided, recirculate the ALTRISET Termiticide finished solution before using.

1.1 INFORMATION

Provincial and local requlatory agencies may have their own guidelines or requirements. Pest Management Professionals (PMPs) should check with their provincial or local regulatory authorities for additional rules and regulations for subterranean termite treatments.

ALTRISET Termiticide may be used for post construction applications to provide remedial or preventive subterranean termite protection and for pre-construction treatment.

The ALTRISET Termiticide label is organized into four main sections.

Section 1: Application techniques for subterranean termite control for complete post- construction and pre-construction treatments.

Section 2: Use directions for a complete post construction treatment.

Section 3: Use directions for a pre-construction application.

Section 4: Use directions for application to non-structural areas.

1.2 APPLICATION TECHNIQUES FOR A COMPLETE PRE- AND POST-CONSTRUCTION TREATMENT

When used as specified on this label, ALTRISET Termiticide provides remedial and preventative subterranean termite control with the goal of protecting the structure. When applying ALTRISET Termiticide, every attempt to maintain the continuous treatment zone must be made.

A variety of application techniques will be used in establishing the treatment zones as described below.

1.2.1 Establishing a Vertical Treatment Zone

Vertical treatment zones are established around foundation elements such as walls, pillars, piers and chimney bases, patios and porches, as well as around pipes, conduits and other utilities. Such applications are intended to prevent subterranean termites from entering the structure on or through the treated building component.

When treating adjacent to foundations the treatment must extend from the finished grade to the top of the footing. Where the depth to the footing is greater than 122 cm, the treatment must extend to a minimum depth of 122 cm. Where the footing is shallow, 15 cm or less, the treatment will extend downward adjacent to the footing.

Methods of establishing the vertical treatment zone are: 1) trench and treat, 2) rod treat, and 3) excavation and treated backfill.

The foundation is to be treated by the trench and treat method or a combination of trench and treat and rod treatment methods. In places where physical obstructions or soil conditions prevent digging a trench adjacent to various building components, treatment may be made by rodding alone.

If situations are encountered where the soil will not accept the full label application volume, apply half the volume of ALTRISET Termiticide finished solution at twice the concentration (0.10%).

1.2.1.1 Trench and Treat Method

Dig a trench adjacent to the foundation element or building component to be treated. Trench must extend from the top of the grade to the top of the footing. Trench must be a minimum of 15 cm deep and need not be wider than 15 cm. Apply ALTRISET Termiticide to the soil in the trench as the soil is being replaced in the trench. Apply termiticide at the rate of 15.1 L of ALTRISET Termiticide finished solution per 3 linear metres of trench per 30.5 cm of depth. Mix the ALTRISET Termiticide finished solution with the soil as it is replaced in the trench to maximize dispersion within the treatment zone.

Where footings are deeper than 1.2 m, treat to a minimum depth of 1.2 m. A combination of trench and treat and rod treat method may be used where conditions do not permit trenching the full depth (See 1.2.1.2 for Rod Treat Method).

Where footings are exposed or less than 15 cm below grade it is necessary to trench adjacent to the footing to a depth not to exceed the bottom of the footing. Do not treat below the footing of existing structures.

When treating along a slope it may be necessary to step or terrace the trench to prevent runoff and to create a continuous treatment zone.

Where physical obstructions, such as concrete walkways, driveways, patios, porches, etc. adjacent to foundation elements, prevent trenching, treatment may be made by rodding alone.

When the soil type and/or conditions make trenching impractical, rodding may be used in combination with the trench and treat method. (See Section 1.2.1.2 below).

1.2.1.2 Rod Treat Method

Where soil is accessible and conditions permit trenching, the rod treatment method is to be used in combination with the trench and treat method. However, it is often impractical to dig trenches to the required depth. In such situations, treatments may be made by trenching then rodding to the required depth. In addition, as indicated above, physical obstructions and soil conditions often prevent digging a trench adjacent to various building components. In such situations treatment may be made by rodding alone.

For all rodding applications, where feasible, rodding must be spaced so as to achieve a continuous treatment zone but in no case more than 30.5 cm apart.

Exposed Soil

Rod treatments are performed from the bottom of the trench, or from the finished grade when required by conditions above, to the top of the footing or a minimum depth of 122 cm.

ALTRISET Termiticide is injected into the soil at the rate of 15.1 L ALTRISET Termiticide finished solution per 3 linear metres per 30.5 cm of depth to the top of the footing. A directional dispersion (four way) tip will maximize the distribution of the termiticide in the soil.

Inserting the rod at an angle parallel to the foundation will improve the dispersion of the termiticide and increase the likelihood of a continuous barrier.

Sub-Slab Injection

Rod treatments are used when creating a vertical treatment zone in soil beneath slabs inside and outside of the structure. Before attempting to drill and rod treat soil the applicator must locate heating ducts, water/sewer lines, and electrical lines/conduits. Care must be exercised to not drill or rod into these building elements.

To treat soil beneath slabs drill holes vertically through slab along the foundation or other building component within 15 cm of the expansion joint or slab penetration to be treated. Rod treat soil beneath slab from immediately beneath the slab to the top of the footing at the rate of 15.1 L of ALTRISET Termiticide finished solution per 3 linear metres per 30.5 cm of depth to the footing.

In rare situations due to the location of building elements such as heating ducts, water/sewer lines and electrical lines/conduits, it may be impossible or undesirable to drill and rod treat vertically. In such situations horizontal short rodding practices may be used to establish a continuous treatment zone along the inside perimeter of the foundation.

Where appropriate, holes must be drilled from outside the foundation at an angle, which allows a finished solution of ALTRISET Termiticide to be deposited below heating ducts, water/sewer lines, and electrical lines/conduits if present.

Horizontal long rodding practices may only be employed to treat areas underneath the slab that are not accessible by vertical rodding or horizontal short rodding. Long rods exceeding 6 m in length should not be used.

Inject ALTRISET Termiticide into the drilled holes at the rate of 15.1 L ALTRISET Termiticide finished solution per 3 linear metres per 30.5 cm of depth. A directional dispersion (four way) tip will maximize the distribution of the termiticide in the soil.

All holes in commonly occupied areas into which material has been applied must be plugged. Plugs must be of non-cellulose material or covered by an impervious, non-cellulose material such as Portland cement.

1.2.1.3 Treated Backfill Method

a) Trench and remove soil to be treated onto heavy plastic sheeting or similar material or into a wheelbarrow.
b) Treat soil at the rate of 15.1 L of ALTRISET Termiticide finished solution per 3 linear metres per 30.5 cm of depth of the trench, or 3.8 L of ALTRISET Termiticide per 0.03 m^3 (28316 cm^3) of soil. Mix thoroughly into the soil taking care to contain the liquid and prevent runoff or spillage.
c) After the treated soil has absorbed the finished ALTRISET Termiticide solution, return the soil to the trench.

1.2.2 Establishing a Horizontal Treatment Zone

Horizontal treatment zones are established to stop or prevent subterranean termites from entering in crawlspaces that are inaccessible for vertical treatment and for treating soil to be covered by concrete slab floors. Horizontal treatment may also be used to protect stored items such as firewood.

Horizontal applications are made by applying 3.8 to 5.7 L of ALTRISET Termiticide finished solution at low pressure (no more than 172 kPa) to the surface of the soil to be treated per 0.9 m^2.

In the case of pre-construction applications, the treatment must be performed before the vapour barrier is installed.

1.2.3 Treatment of Unit Masonry Walls and Foundation Elements

Treatment of unit masonry walls such as hollow block, multiple brick, tile and combinations of these materials is intended to stop or prevent subterranean termites from entering the structure through these construction elements. When using this treatment, access holes should be drilled below the sill plate and should be as close to the footing as practical.

Where feasible, holes must be drilled in a continuous line so as to inject termiticide into all known voids. Inject termiticide into holes at a rate equal to 7.6 L ALTRISET Termiticide finished solution per 3 linear metres of footing using a nozzle pressure of not more than 172 kPa.

Treatment of voids in block, brick or rubble foundation walls should 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.

Foam application may be used to maximize dispersion of termiticide when treating masonry voids. (See Foaming Instructions in Section 1.2.4 below.)

1.2.4 Foaming Instructions

Construction practices, soil subsidence, or other factors can create situations where a continuous treatment zone cannot be achieved using conventional liquid treatment alone. In such situations, conventional liquid application methods may be supplemented through the use of foam-generating equipment.

Treatment of filled stoops and porches, chimney bases, piers, soil under concrete slabs, block voids, behind masonry, other veneers, and stud walls are examples where foam applications may be useful. Foam applications to wall voids in stud walls should utilize dry foam only (25:1 expansion ratio). Only apply foam to wall voids where subterranean termites or their damage are detected.

In general, foam only applications are appropriate when attempting to maximize horizontal coverage in areas where there is no deep foundation or footing (e.g. around plumbing entries, settling under slabs, and near cracks in concrete). In areas where both lateral spread and deeper vertical penetration of the termiticide are needed both foam and liquid should be used (e.g. adjacent to foundation walls).

Foam and liquid applications must be consistent with the volume and active ingredient instructions in order to ensure proper application has been made. At least 75% of the litres of the finished ALTRISET Termiticide solution must be applied as a typical liquid treatment. The remaining litres must be delivered to appropriate locations using a foam application. The total amount of product applied with the combination of foam and liquid finished solution should be equivalent to that of an application of liquid finished solution only. Foam applications are generally a supplement to liquid treatments, but may be used in difficult to access spot treatment locations.

Foam Mixing Instructions and Application

Prepare the finished solution of ALTRISET Termiticide and mix it with manufacturer's specified volume of foaming agent to provide a continuous treatment zone at the recommended rate for specific applications (provided in the text of this label). The foaming agent that is used must be non-repellent to the target subterranean termite species. If sufficient foam volume cannot be applied to achieve the recommended rate of ALTRISET Termiticide required, apply additional finished solution of ALTRISET Termiticide as liquid to assure proper treatment volumes and concentration in the treatment zone.

Table 2: Mixing Table for ALTRISET Termiticide Foam

ALTRISET Termiticide Use Dilution	Litres of Finished Solution	Foam Expansion Ratio*	Finished Foam (Litres)
0.05%	3.8	25:1	94.6
	6.3	15:1	
	9.5	10:1	
	18.9	5:1	

*Add the manufacturer's recommended quantity of foaming agent to the ALTRISET Termiticide solution.

Note: For wall voids, galleries and spot applications use an expansion ratio of greater than or equal to 25:1. For subsurface applications, concrete block, etc., use an expansion ratio of greater than or equal to 5:1 to 15:1.

2.0 COMPLETE POST-CONSTRUCTION TREATMENTS FOR SUBTERRANEAN TERMITES

For applications made after the final grade is installed for the purpose of protecting the structure from subterranean termite infestations and/or controlling existing subterranean termite populations the applicator must use the methods described below. Apply ALTRISET Termiticide using a concentration of 0.05% for post-construction use. For vertical treatments applied to the soil, apply twice the concentration (0.10%) at half the volume of ALTRISET Termiticide finished solution if situations are encountered where the soil will not accept the full label application volume (See section 1.2.1 Establishing a Vertical Treatment Zone).

Use ALTRISET Termiticide in conjunction with other subterranean termite control practices including physical barriers and habitat modification. Replace wood infested and damaged beyond repair where there is wood/soil contact. Correct conditions leading to abnormally high moisture in and around the structure, e.g., grading, eaves troughing, etc. Break wood-soil contact by the following measures:

- remove all loose wood and other cellulose debris from property around the structure to be protected.
- ensure adequate clearance (50 cm) exists between soil and structural wood or support posts under porches or in crawlspaces. Excavate and pour new concrete piers if necessary. Wooden support ports can be replaced with steel jack ports.
- outdoor, wooden stair supports should be severed 10-15 cm above soil level and supported by concrete slabs or blocks.
- where wooden siding is used, lower grade to expose a minimum of 15 cm of foundation wall.
- repair all cracks or other points of entry for termites in foundation walls or concrete floors (e.g., expansion jackets, crevices, weeping tiles, utility holes, etc.) with a commercial sealant - preferably

concrete.

2.1. EXTERIOR TREATMENT

NOTE-Before treatment: turn off the air circulation system of the structure until application has been completed and all ALTRISET Termiticide has been absorbed into the soil. The exterior application with ALTRISET Termiticide must be applied in such a way as to provide a continuous treatment zone to prevent subterranean termites from infesting the structure. Read and follow application volume use directions on this label.

2.1.1 Crawl space, Plenum, Concrete Slab and Basement Construction

Establish a vertical treatment zone around the entire perimeter of the structure to be treated as described in Section 1.2.1. Use one or more of the techniques described as required to establish a continuous vertical treatment zone around the entire perimeter of the structure.

2.1.2 Exterior Obstructions

2.1.2.1 Slabs on grade (such as walkways, patios, driveways etc.)

Drill vertically through slab to establish a vertical treatment zone around the entire perimeter of the structure to be treated beneath all adjacent slabs as described in Section 1.2.1.2.

2.1.2.2 Earth-Filled Slabs

Where earth-filled slabs abut the foundation wall, drill slabs vertically and treat soil beneath slab as described in Section 1.2.1.2.

Alternatively, the applicator may use the horizontal rod/treat technique when vertical drilling is not possible or desirable due to slab finish. Where earth-filled slabs are deep, it may be necessary to long rod several times at increasing depths.

2.1.3 Treatment of structures with adjacent well, cisterns or other water bodies

Do not treat soil within 1.5 m of a well or cistern. When treating soil between 1.5 to 3 m of a well or cisterns, the treated backfill method must be used. Where a risk of contamination exists due to the proximity of a well, cistern or other water body use the excavation and treated backfill method of application as described in Section 1.2.1.3. 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 1.5 m of the grade.

2.1.4 Accessible Crawlspaces

NOTE- Before Treatment: Turn off the air circulation system of the structure, and as added precaution, vacate people and pets, until application has been completed and all ALTRISET Termiticide has been absorbed by the soil. Crawlspaces must be vented and if not present, vents will need to be installed to improve airflow and reduce moisture in the crawlspace.

2.1.4.1 Pillars, pilasters, chimney bases, utilities etc.

Establish a vertical treatment zone of ALTRISET Termiticide around all pillars, utilities and chimney bases in accordance with Section 1.2.1.

2.1.4.2 Foundation walls

Establish a vertical treatment zone at the base of foundations walls. Treat in accordance with Section 1.2.1.

2.1.5 Inaccessible Crawlspaces

NOTE-Before treatment: turn off the air circulation system of the structure until application has been completed and all ALTRISET Termiticide has been absorbed into the soil. 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 Section 2.1.4 for accessible crawl spaces. Otherwise, apply one, or a combination of the following two methods:

a) To establish a horizontal treatment zone, apply to the surface 3.8 L of ALTRISET Termiticide finished solution per 0.9 m^2 overall using a nozzle pressure of less than 172 kPa and a coarse application nozzle. For an area that cannot be reached with the application wand, use one or more extensions to make the application to the soil. Do not broadcast at pressures greater than 172 kPa.
b) To establish a horizontal treatment zone, drill through the foundation wall or through the floor above and treat the soil at a rate of 3.8 L of ALTRISET Termiticide finished solution per 0.9 m^2. Drill spacing intervals must not exceed 40.6 cm apart.

2.1.6 Garages

To treat soil under the slab, drill vertically through the slab along the interior perimeter of the garage foundation as described in Section 1.2.1.2. Treatment along concrete expansion joints, cracks, plumbing, and utility services penetrating the slab should be performed. It may be necessary to drill holes along one side of the slab adjacent to an interior partition wall if there is clear evidence of subterranean termite activity or damage to the wall.

2.2 Interior Concrete Floors

Sub-slab injection treatments should be made from inside the structure or, in cases where this is not possible, by drilling through the foundation from the outside as directed in Section 1.2.1.2 above.

Prior to making any treatments, locate all heating/air conditioning ducts, vents, water/sewer lines and electrical lines/conduits.

2.2.1 Bath Traps/Drain Pipes/Utility Penetrations

To treat exposed soil or soil covered with tar or similar sealant around plumbing and/or drainpipe areas and/or utility penetrations, tar or sealant may have to be removed to allow for adequate soil treatments. An access door or inspection portal may be installed if one is not already present. After inspection and removal of all wood/cellulose debris, the soil is treated by rodding or trenching the soil with ALTRISET Termiticide. Treat with a minimum of 3.8 L to a maximum of 15.1 L of ALTRISET Termiticide finished solution per 0.09 m^2.

2.2.2 Shower Drains

Drill through slab adjacent to shower drain and apply ALTRISET Termiticide finished solution by

sub slab injection to the soil below. Foam application may be used to ensure maximum dispersion. Multiple access points may be drilled adjacent to the drain.

Treat soil with a minimum of 3.8 L but no more than 15.1 L of ALTRISET Termiticide finished solution per shower drain. Horizontal rodding may be used to access and treat the soil associated with the shower drain if a horizontal treatment is required.

2.2.3 Fixed Sub slab Delivery Systems for Sub-Slab Treatment

Sub slab insecticidal delivery systems such as permanently installed piping or flexible tubing may also be used to deliver product to critical inaccessible areas under the slab such as concrete expansion joints, cracks, plumbing utility services penetrating the slab, etc. Follow manufacturer's directions for use of the delivery system to ensure that the insecticide is distributed evenly throughout the treatment zone. For these systems, the finished solution of ALTRISET Termiticide must be applied at the rate of 3.8 L per 0.9 m^2.

2.3 PLENUM CONSTRUCTION

NOTE Before treatment turn off the air circulation system of the structure until application has been completed and all ALTRISET Termiticide has been absorbed into the soil. For interior treatment of plenum structures that use a sealed under-floor space to circulate heat and/or cooled air throughout the structure follow these instructions:

a) Remove the sealing fabric and anything on the sealing fabric to expose soil no more than 46 cm adjacent to all foundation structures, including foundation walls, interior piers, pipes, and other structures with soil contact. Follow the instructions listed in Section 1.2.1.
b) After the finished solution of ALTRISET Termiticide has been absorbed by the soil, replace the sealing fabric and anything to be placed on the sealing fabric to its original, pre-treatment position.

2.4 SUBTERRANEAN TERMITE CARTON NESTS

It is desirable to physically remove subterranean termite carton nest material from the structure when such nests are found. If this is not feasible, subterranean termite carton nests in building voids, crawl spaces, and attics must treated directly by injecting a 0.05% solution of ALTRISET Termiticide using a pointed injection tool.

Multiple injection points to varying depths may be necessary. Wood material associated with carton nest may also be treated using the injection method described in Section 4.2 of this label.

2.5 UNIT MASONRY FOUNDATIONS AND VOIDS

Voids within unit masonry walls, pillars, chimney bases, etc. should be treated with ALTRISET Termiticide as described in Section 1.2.3.

Foam application may be used to maximize dispersion.

2.6. RETREATMENT INSTRUCTIONS

Retreatment for subterranean termites in or along the outside perimeter of the structure may only be performed if there is clear evidence of re-infestation or disruption of the treatment zone due to

construction, excavation, or landscaping and/or evidence of the breakdown of the termiticide treated area in the soil.

These vulnerable or re-infested areas may be retreated in accordance with application techniques described in this label. The timing and type of these treatments will vary depending on factors such as termite pressure, soil types, soil conditions and other factors, which may reduce the effectiveness of the treatment zone.

3.0 PRE-CONSTRUCTION TREATMENT FOR PREVENTION OF SUBTERRANEAN TERMITES

FOR PRE-CONSTRUCTION TREATMENTS, UP TO AND INCLUDING TREATMENT OF FINAL GRADE, DO NOT APPLY AT A LOWER DOSAGE AND/OR CONCENTRATION THAN SPECIFIED ON THIS LABEL.

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. Apply ALTRISET Termiticide using a concentration of 0.05% for pre-construction use. For vertical treatments applied to the soil, apply twice the concentration (0.10%) at half the volume of ALTRISET Termiticide finished solution if situations are encountered where the soil will not accept the full label application volume (See section 1.2.1 Establishing a Vertical Treatment Zone). Use ALTRISET Termiticide in conjunction with other subterranean termite control practices including physical barriers and habitat modification. Remove all wood and cellulose debris from property prior to erecting forms for pouring concrete. After pouring concrete, slabs, walls, piers, etc., remove all framework wood from the building site. Do not use back fill containing wood or cellulose. It is important that new construction has a minimum wood-to-soil clearance of 50 cm in order to discourage termite invasion.

3.1 HORIZONTAL TREATMENT ZONES

Establish a horizontal treatment zone beneath all slabs, including but not limited to floor slabs, carports, porches, basement floor and entrance platforms, in accordance with Section 1.2.2 Establishing a Horizontal Treatment Zone. If fill beneath slab is gravel or other course aggregate apply at the rate of 5.7 L per 0.9 m^2. Application must be made before the vapour barrier is installed.

3.2 VERTICAL TREATMENT ZONES

Establish a continuous vertical treatment zone around all foundation elements including but not limited to foundation walls, pillars, pilasters and chimney bases. In addition, establish a vertical treatment zone around pipes, utility penetrations and similar penetrations in floor slabs. Vertical treatment zones must be established in accordance with Section 1.2.1.

4.0 APPLICATION TO NON-STRUCTURAL AREAS

For control of subterranean termite populations in posts, poles, landscape elements and outdoor monitoring devices.

These treatments are not a substitute for structural treatment but are intended only to protect the article to which treatment is applied. If the structure is identified as infested, refer to the procedures

described in other sections regarding treatment of infested structures.

4.1 POSTS, POLES

Previously installed posts, poles, landscape ornamentation or signs may be treated with solution of ALTRISET Termiticide in accordance with the appropriate portion of Section 1.2.1. When sub-surface injecting/rodding, treat all sides to create a continuous treatment zone.

4.2 TREES

Non-edible fruit and nut bearing trees infested with subterranean termites may be treated by drilling into tree cavities or termite galleries or termite carton nests. Detection of the location of the subterranean termite infestation should be done through visual inspection and if appropriate the use of detection tools. Treatment may be done by injecting a 0.05% solution of ALTRISET Termiticide into the infested tree cavity or termite gallery or termite carton nest in the tree using a pointed injection tool. Multiple injection points to varying depths may be required.

4.3 SURROUNDING SOIL UNDER FIREWOOD, STUMPS, LOGS, OTHER OUTDOOR CELLULOSE MATERIALS

If cellulose material such as infested firewood, stumps, felled tree material, or other cellulose materials will not be removed from the surroundings of a structure, treatment with a 0.05% finished solution of ALTRISET Termiticide may be applied to control an infestation. The surface of the soil under the cellulose material may be treated by using a rate of 3.8 L ALTRISET Termiticide finished solution per 0.9 m^2.

In the case of stumps or cellulose material that extends below the surface, the surrounding soil may be treated by trenching and rodding into the trench at the rate of 15.1 L finished solution of ALTRISET Termiticide per 3 linear metres.

DO NOT apply on firewood.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that ALTRISET Termiticide contains a Group 28 insecticide. Any insect population may contain individuals naturally resistant to ALTRISET Termiticide and other Group 28 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same location. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

Where possible, rotate the use of ALTRISET Termiticide or other Group 28 insecticides with different groups that control the same pests in a location.

Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.

Monitor treated pest populations for resistance development.

Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

For further information or to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.