

2010-0618
2013-04-18

GROUP	13	INSECTICIDE
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MYTHIC™ INSECTICIDE

For use by individual/firms licensed to apply termiticide and/or general pest control products

For limited exterior application to buildings against the listed pests and for use as a pre-construction and post-construction termiticide

COMMERCIAL

GUARANTEE: Chlorfenapyr 240 g/L

Contains 1,2-benzisothiazolin-3-one at 0.035% as a preservative

SUSPENSION

REGISTRATION NO. 30665

PEST CONTROL PRODUCTS ACT

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT
1-800-454-2673**



WARNING

POISON

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 0.1 L - 25 L

BASF Canada Inc.
100 Milverton Drive
5th Floor
Mississauga, Ontario
L5R 4H1
1-877-371-2273

MYTHIC is a trademark of BASF Agro B.V., used with permission by BASF Canada Inc.

GENERAL

MYTHIC INSECTICIDE is intended for sale, use and storage only by individuals/firms licensed to apply termiticide and/or general pest control products.

MYTHIC INSECTICIDE does not provide quick knockdown. It is slow acting and it may take several days for pest mortality to occur. The efficacy of **MYTHIC INSECTICIDE** may be enhanced when used in combination with other pest management practices such as good sanitation practices and by the use of exclusion techniques (e.g., caulking to seal openings).

Prior to treating an entire area, treat a small and inconspicuous area of the target surface in order to determine if staining or other damage may occur.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

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

PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Avoid contact with eyes, skin or clothing.
3. Harmful or fatal if swallowed. May be fatal if inhaled. Harmful if absorbed through skin. DO NOT breathe vapour, spray or mist.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. DO NOT mix, load and apply more than 80 L of **MYTHIC INSECTICIDE** when using mechanically pressurized handheld equipment.
6. Wear long-sleeved shirt, long pants and chemical resistant gloves, socks and shoes during mixing, loading, application, clean up and repair. Mixers and loaders must wear either a respirator with a NIOSH/MSHA/BHSE approved organic-vapour-removing cartridge with a pre-filter approved for pesticides OR NIOSH/MSHA/BHSE approved canister approved for pesticides. In addition, all termiticide workers must wear a dust/mist filtering respirator (MSHA/NIOSH Approved Number Prefix TC-21C) or a NIOSH approved respirator with any N, R, P or HE filter, when applying in a non-ventilated space, including but not limited to crawl-spaces and basements; all termiticide handlers must wear protective eyewear when working in a non-ventilated space when applying termiticide by rodding or sub-slab injection.
7. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
8. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.

9. Clean spray equipment thoroughly after use.
10. **DO NOT** contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
11. **DO NOT** apply this product around electrical equipment due to the possibility of shock hazard.

STORAGE

1. Store the leftover product in original tightly closed container.
2. **DO NOT** ship or store the product near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. **DO NOT** store below 0°C. **DO NOT** store in direct sunlight or heat.

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.

FIRST AID

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

The patient should be treated symptomatically.

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.

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9. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
8. If clothing becomes contaminated, remove and wash separately from household laundry before reuse.

9. Clean spray equipment thoroughly after use.
10. **DO NOT** contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
11. **DO NOT** apply this product around electrical equipment due to the possibility of shock hazard.

USE DIRECTIONS FOR LIMITED EXTERIOR APPLICATION TO BUILDINGS

DO NOT APPLY INDOORS. DO NOT APPLY AS A BROADCAST OR SPACE SPRAY TREATMENT.

Application is limited to spot or crack and crevice treatments in locations where listed pests enter around doors, windows, attic vents, and holes in exterior walls where utilities enter the building. Where possible, apply **MYTHIC INSECTICIDE** directly to the pest.

MYTHIC INSECTICIDE is applied to kill the listed pests at the concentration(s) indicated in the table below:

Pests	Concentration (%) [*]	Notes
Ants	0.125 - 0.25%	
Asian ladybird beetle Boxelder bugs Centipedes European earwig House crickets ¹ Paper wasps Pillbugs Silverfish ² Spiders	0.25%	¹ MYTHIC INSECTICIDE is not a knockdown agent. Use extra caution and apply during periods of rest when using MYTHIC INSECTICIDE to kill paper wasps. ² Certain species of spiders may be less susceptible to MYTHIC INSECTICIDE .
Houseflies	0.5%	

* Percentage weight of active ingredient to weight of spray dilution.

MYTHIC INSECTICIDE is to be applied using application equipment which is able to produce a coarse, low-pressure spray. Use a straw tip or pin tip nozzle for crack and crevice applications.

Apply **MYTHIC INSECTICIDE** until thoroughly wet but not until run-off. DO NOT apply more than 190 mL diluted product per square metre. Allow treated area to dry thoroughly before use.

Re-apply only if pests continue to be a problem. DO NOT apply more than once per week.

MIXING INSTRUCTIONS

Mix **MYTHIC INSECTICIDE** as follows:

1. Fill manually-pressurized or mechanically-pressurized application equipment with 1/2 to 3/4 of the required amount of water.
2. Measure the required amount of **MYTHIC INSECTICIDE** (Refer to Dilution Table for guidance).
3. Add **MYTHIC INSECTICIDE** to the sprayer and fill with the remainder of the water.
4. Close sprayer and agitate to ensure proper suspension.
5. Re-agitate material in sprayer before continuing if application is interrupted.

Dilution Table

Desired Dilution Concentration*	Amount of MYTHIC INSECTICIDE to make 1 litre of finished dilution
0.125%	5.8 mL
0.25%	11.6 mL
0.5%	23.2 mL
*Percentage weight of active ingredient to weight of spray dilution.	

GENERAL PRECAUTIONS

DO NOT contaminate food or food contact surfaces.

DO NOT apply into heating and air conditioning vents or ducts.

Individuals without proper personal protective equipment should not be in immediate vicinity during application.

DO NOT contact treated areas until spray has dried.

DO NOT allow for contact to treated areas until spray has dried. Allow treated surfaces to dry before replacing items.

Remove animals and cover or remove animal feed/water prior to application.

DO NOT apply water-based sprays where electrical short circuits could occur.

USE DIRECTIONS FOR SUBTERRANEAN TERMITE CONTROL

GENERAL INFORMATION - TERMITICIDE APPLICATIONS

In order to maximize the effectiveness against subterranean termites, **MYTHIC INSECTICIDE** should be applied in a manner to provide a continuous treated zone to prevent subterranean termites from attacking the wood to be protected. **MYTHIC INSECTICIDE** is effective against *Reticulitermes* spp., *Coptotermes* spp. and *Heterotermes* spp.

The objective of soil treatments with **MYTHIC INSECTICIDE** is to establish a treated zone (horizontal and/or vertical as needed) between the wood and other cellulose material in the structure and the subterranean termite population(s) in the soil for the purpose of protecting the structure from subterranean termite infestation and/or for controlling existing subterranean termite populations. Treatment standards for subterranean termite control may vary due to provincial or municipal/local regulations, treatment procedures, soil types, construction practices and other factors. Follow all federal, provincial, and local regulations and treatment standards for protection of a structure from subterranean termites. Observe industry good management practices.

Where aerial infestations or above-ground nests are detected within the structure, supplemental treatments to control subterranean termites in the structure (see **Above Ground Subterranean Termite Infestations** section of this label), and/or structural repairs to deprive the subterranean termites of a moisture source may be needed.

For advice concerning current control practices, consult resources in structural pest control, provincial or federal regulatory agencies.

General Precautions for Termiticide Applications

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 the applicator or residents 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.

All holes drilled in concrete slabs in commonly occupied areas into which termiticide has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material. Do not make treatments beneath slabs or similar floorings until the location of heat or air conditioning ductwork, vents, water and sewer lines, and electrical lines/conduits are known and identified. Use extreme caution to avoid puncturing and contaminating these utilities.

When treating crawl spaces or plenum-type structures, turn off any air circulation system that moves air from the area to be treated to an untreated interior space of the structure until application has been completed and all **MYTHIC INSECTICIDE** has been absorbed by soil.

DO NOT contaminate wells or cisterns. Consult the appropriate section of this label as well as local specifications for recommended distances of wells from treated area, or if such regulations **DO NOT** exist, refer to Federal Guidelines for guidance.

Use anti-backflow or air gap equipment with filling hoses, **DO NOT** contaminate public or private water supplies. Consult provincial, federal, or local authorities for information regarding the approved treatment practices for areas in close proximity to potable water supplies.

DO NOT treat within a distance of 0.300 metres out from the drip line of edible plants.

Mixing Directions

Dilution Table

Desired Dilution Concentration *	Amount of MYTHIC INSECTICIDE to make 1.0 litre of finished dilution
0.25%	11.6 mL
0.125%	5.8 mL
*Percentage weight of active ingredient to weight of spray dilution.	

For Mixing Small Volumes of Finished Dilution

For subterranean termite control operations requiring smaller volumes, use 11.6 mL of **MYTHIC INSECTICIDE** per litre of water to achieve a 0.25% concentration; use 5.8 mL of **MYTHIC INSECTICIDE** per litre of water to achieve a 0.125% concentration. Mix **MYTHIC INSECTICIDE** to the desired finished dilution in the following manner:

1. Fill hand-pressurized or power-operated application equipment with 1/2 to 3/4 of the required amount of water. Filling hose must be equipped with an anti-back-flow device or water flow must include an air gap to protect against back siphoning.
2. Measure the required amount of **MYTHIC INSECTICIDE**.
3. Add **MYTHIC INSECTICIDE** to the sprayer and fill with the remainder of the water.
4. Close sprayer and agitate to insure proper suspension.
5. Re-agitate sprayer before use if spraying is interrupted.

For Mixing Large Volumes of Finished Dilution

For dilution quantities greater than 1 litre, the amount of **MYTHIC INSECTICIDE** per litre of water to add may be determined by multiplying the quantity of **MYTHIC INSECTICIDE** specified for a particular dilution rate for a 1 litre dilution by the total dilution size. For example, to make a 189 litres of a 0.125% dilution, multiply 189 by 2.2 mL to equal 1096 mL. Then mix 1096 mL of **MYTHIC INSECTICIDE** to enough water to make a total of 189 litres dilution. For subterranean termite control operations requiring 378.5 litres of finished dilution, prepare 0.25% dilution by mixing 4.5 litres of **MYTHIC INSECTICIDE** with 374.0 litres of water; or prepare a 0.125% dilution by mixing 2.2 litres of **MYTHIC INSECTICIDE** with 376.5 litres of water. Mix the product use dilution in the following manner:

1. Fill the tank with water until it is 1/4 to 1/3 full. Filling hose must be equipped with an anti-backflow device or water flow must include an air gap to protect against back siphoning.
2. Start pump to begin by-pass agitation and place end of treating tool in tank to allow circulation through hose.
3. Add the required amount of **MYTHIC INSECTICIDE** (See dilution table above).
4. Add remaining amount of water to the tank.
5. Let pump run and allow recirculation through the hose for 2 to 3 minutes.

Application Volume

To provide maximum control of and protection against subterranean termite infestations, apply the specified volume of **MYTHIC INSECTICIDE** dilution and active ingredient as set forth in the directions for use. If soil will not accept the labeled application volume, the volume may be reduced provided there is a corresponding increase in concentration so that the amount of active ingredient applied to the soil remains the same. Note: Large reductions of application volume reduce the ability to obtain a continuous treated zone. Variance is allowed when volume and concentration are consistent with label directed rates and a continuous treated zone can still be achieved. At reduced application volume; it may be necessary for the applicator to space rod and/or drill holes closer than 30 cm apart to create a continuous treated zone, **DO NOT** treat soil that is water saturated or frozen or in any conditions where run-off or movement from the treatment area (site) is likely to occur. **DO NOT** make outdoor treatments while precipitation is occurring that could result in run-off from the treated area.

In-line Injection

For proper use of **MYTHIC INSECTICIDE** with inline injection equipment refer to the use instructions for the injection equipment. Apply the specified volume of **MYTHIC INSECTICIDE** dilution and active ingredient as set forth in the **Directions for Use** on this label.

PRE-CONSTRUCTION TREATMENT

MYTHIC INSECTICIDE MAY ONLY BE APPLIED AS A PRE-CONSTRUCTION TREATMENT IN AREAS WHERE THERE IS A RISK OF A SUBTERRANEAN TERMITE INFESTATION.

Use **MYTHIC INSECTICIDE** 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 subterranean termite invasion.

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 **MYTHIC INSECTICIDE** application and intended sites of a application and instruct the responsible person to notify construction workers and other on site individuals to leave the treatment area and not return until **MYTHIC INSECTICIDE** has been absorbed into the soil.

General

Pre-construction treatments are defined to include treatments made during all phases of construction up to and including installation of the final grade.

Concrete Slab-on-Ground

Horizontal Treated Zones

Apply a 0.25% dilution of **MYTHIC INSECTICIDE** to the entire surface of soil or substrate to be covered beneath the concrete slab. This includes the slab under the actual living area, plus carports, porches, basement floors, and any extended entrances. Make this treatment at the rate of 3.8 litres finished dilution per 0.9 square metres. Make these applications using a coarse spray nozzle and low-pressure spray (less than 25 p.s.i.), spraying the dilution evenly and uniformly over the entire area treated.

Vertical Treated Zones

Prior to pouring the concrete slab, apply a 0.25% dilution of **MYTHIC INSECTICIDE** dilution along the inside of foundation walls of floating and supported slabs and around plumbing, bath traps, utility services, and other features that will penetrate the slab. Apply 15 litres of finished dilution per 3 linear metres per 0.3 meter of depth.

During or soon after completion of the final grading, apply a 0.25% dilution of **MYTHIC INSECTICIDE** along the outside foundation perimeter at the rate of 15 litres of finished dilution per 3 linear metres per 0.3 meter of depth or if the footing is more than 1.2 metres below grade, to a minimum depth of 1.2 metres below grade.

Apply vertical treatments by trenching or trenching and rodding using low pressure spray equipment (less than 25 p.s.i. at the nozzle).

- Rod holes and trenches must not extend below the bottom of the footing.
- Rod holes must be spaced so as to achieve a continuous treated zone but in no case more than 30 cm apart.
- Trenches must be a minimum of 15 cm deep or to the bottom of the footing, whichever is less, and need not be wider than 15 cm. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent **MYTHIC INSECTICIDE** from running off. The finished dilution should be mixed with soil as it is replaced in the trench.

For the interior areas of crawl spaces, apply a vertical treatment of a 0.25% dilution of **MYTHIC INSECTICIDE** along the inside foundation perimeter and around all piers and pipes. Apply 15 litres of finished dilution per 3 linear metres per 0.3 metre of depth.

During or soon after completion of the final grading, apply a 0.25% dilution of **MYTHIC INSECTICIDE** along the outside foundation perimeter at the rate of 15 litres of finished dilution per 3 linear metres per 0.3 metre of depth, or if the footing is more than 1.2 metres below grade, to a minimum depth of 1.2 metres below grade.

Apply by trenching or trenching and rodding using low pressure spray equipment (less than 25 psi at the nozzle).

- Rod holes and trenches must not extend below the bottom of the footing.
- Rod holes must be spaced so as to achieve a continuous treated zone but in no case more than 30 cm apart.

Trenches must be a minimum of 15 cm deep or to the bottom of the footing, whichever is less, and need not be wider than 15 cm. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent **MYTHIC INSECTICIDE** from running off. The finished dilution should be mixed with soil as it is replaced in the trench. When treating foundations deeper than 1.2 metres, apply **MYTHIC INSECTICIDE** 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 1.2 metres 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 1.2 metres. 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.

Hollow Block Foundation or Voids

Hollow block foundations or voids in masonry resting atop the footing may be treated in order to create a continuous treatment zone in the area to be treated. Applicators may drill and treat into voids of masonry elements if not openly accessible. Apply at the rate of 7.5 Litres of finished dilution per 3 metres linear measurement using a nozzle pressure of 25 p.s.i. or less. When using this treatment, access holes may be drilled below the sill plate and should be as close as possible to the footing as is practical. Treatment of voids in block or rubble foundation walls must be closely examined: Applicators must inspect areas 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 **MYTHIC INSECTICIDE** 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 the contaminated areas of the structure until the clean up is completed.

Not for use in voids insulated with rigid foam.

POST-CONSTRUCTION SOIL TREATMENT

For applications made after the final grade is installed for the purpose of protecting the structure from subterranean termite infestation and/or for controlling existing subterranean termite populations.

Use **MYTHIC INSECTICIDE** 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 posts can be replaced with steel jack posts.
- 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 subterranean termites in foundation walls or concrete floors (e.g., expansion jackets, crevices, weeping tiles, utility holes, etc.) with a commercial sealant - preferably concrete.
- adequate ventilation must be provided for soil-surface and crawl spaces under porches or living areas.

General Directions for Soil Treatments

DO NOT make treatment beneath slabs or similar floorings until the locations of heat or air conditioning duct-work, vents, water and sewer lines, and electrical lines/conduits are known and identified. Use extreme caution to avoid puncturing and contaminating these utilities.

The applicator must trench and rod into the trench or trench along the foundation and around pillars and other foundation elements, at a rate prescribed from grade to the top of the footing. When footing is more than 1.2 metres below grade, the applicator must trench and rod into the trench or trench along the foundation walls at the rate prescribed to a minimum depth of 1.2 metres. The actual depth of treatment will vary depending on soil type, degree of compaction and location of subterranean 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; dig a trench alongside the footing taking care not to undermine the footing. However, in no case should a structure be treated below the footing. When soil type and/or conditions make trenching prohibitive, rodding alone may be used with rod holes no more than 30 cm apart.

Exterior concrete structures adjoining the foundation, such as patios, porches and sidewalks, may be drilled followed by treatment by sub-slab injection of the **MYTHIC INSECTICIDE** dilution in order to complete the exterior perimeter treatment zone along the foundation wall.

NOTE: Read and follow the mixing and use directions section of the label if situations are encountered where the soil will not accept the full application volume.

Accessible Crawl Spaces

BEFORE TREATMENT: Turn off any air circulation system that moves air from area to be treated to an untreated interior space of the structure until application has been completed and all **MYTHIC INSECTICIDE** has been absorbed by the soil.

For accessible crawl spaces, apply vertical treatments at the rate of 15 litres of finished dilution per 3 linear metres per 0.3 metre of depth from grade to the top of the footing, or if the footing is more than 1.2 metres below grade, to a minimum depth of 1.2 metres. Apply by trenching and

rodding into the trench, or trenching. Treat both sides of the foundation and around all piers and pipes.

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 mixing directions on this 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 so as to achieve a continuous treated zone, but in no case more than 30 cm apart.
3. Trenches must be a minimum of 15 cm deep or to the bottom of the footing, whichever is less, and need not be wider than 15 cm. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent **MYTHIC INSECTICIDE** dilution from running off. The **MYTHIC INSECTICIDE** dilution must be mixed with the soil as it is replaced in the trench.
4. When unsupported subterranean termite tubes are present, mechanically destroy each tube and make a horizontal treatment by applying approximately 3.8 litres of **MYTHIC INSECTICIDE** dilution per 0.09 square metres, treating an area of no more than 45 cm in diameter where the tubes emerge from the soil.

Inaccessible Crawl Spaces

BEFORE TREATMENT: Turn off any air circulation system that moves air from the area to be treated to an untreated interior space of the structure until application has been completed and all **MYTHIC INSECTICIDE** has been absorbed by the soil.

For inaccessible interior areas, such as areas where clearance between floor joists and ground surfaces is insufficient to allow operator access, excavate, if possible, and treat according to the instructions for Accessible Crawl Spaces (above). Otherwise, apply one, or a combination of the following two methods.

1. To establish a horizontal treated zone, apply dilution to the soil surface at a rate of 3.8 litres of **MYTHIC INSECTICIDE** dilution per 0.9 square metres using low pressure (less than 25 p.s.i. at the treating tool when valve is open) and a coarse application nozzle (e.g. Delavan Type RD Raindrop®, RD-7 or larger, or Spraying Systems Co. 8010LP TeeJet® or comparable nozzle). For an area that can not 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 treated zone, drill through the foundation wall or through the floor above and treat the soil perimeter at a rate of 3.8 litres of **MYTHIC INSECTICIDE** dilution per 0.9 square metres. Drill spacing must be at intervals not to exceed 40 cm.

Slab-on-Ground (Including Monolithic, Floating and Supported Concrete Slabs)

Exterior Perimeter

Apply by trenching and rodding into the trench or trenching around the foundation at the rate of 15 litres of finished dilution per 3 metres linear metres per 0.3 metres of depth, or if the footing is more than 1.2 metres below grade, to a minimum depth of 1.2 metres. Trenches must be a minimum of 15 cm deep or to the bottom of the footing and need not be wider than 15 cm. The

finished dilution should be mixed with the soil as it is replaced in the trench. Rod holes must be spaced so as to achieve a continuous treated zone but in no case more than 30 cm. However, in no case should the structure be treated below the footing.

Sub-Slab Injection

Sub-slab injection treatments can be made from inside the structure or by drilling through the foundation from the outside as directed below. Prior to making any treatments, locate all heating/air conditioning ducts, vents, water/sewer lines, and electrical lines/conduit.

Vertical Drilling/Injection

To treat under the slab, drill vertically through the slab along the interior perimeter of the foundation, including the garage. Drill holes along all concrete expansion joints, cracks, plumbing, and utility services penetrating the slab. 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 in the wall. All drill holes through the slab should be spaced so as to achieve a continuous treated zone, but in no case be more than 30 cm apart. Inject **MYTHIC INSECTICIDE** finished dilution into the drilled holes at the rate of 15 litres of finished dilution per 3.0 metres per 0.3 metres of depth. For best results, application should be made with a lateral dispersal nozzle. In areas commonly occupied by people or animals, all holes used to apply the **MYTHIC INSECTICIDE** dilution must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

A horizontal treated zone can also be established beneath the slab using the above technique as a grid pattern injection. Otherwise, use the methods described below,

Horizontal Drilling / Rodding / Sub-slab Injection from the Exterior of the Foundation

This technique should be used to treat underneath the slab only when floors or interior design **DO NOT** allow for vertical drilling. Care must be exercised not to rod into heating ducts, water/sewer lines, and electrical lines/conduits. Horizontal short-rodding practices can be used to establish a continuous treated zone along the inside perimeter of the foundation. Holes should be drilled from outside the foundation at an angle which allows a finished dilution of **MYTHIC INSECTICIDE** to be deposited below heating ducts, water/sewer lines, and electrical 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 metres should not be used. For all horizontal rodding applications, all drill holes through the foundation should be spaced so as to achieve a continuous treated zone but in no case be more than 30 cm apart. Inject **MYTHIC INSECTICIDE** finished dilution into the drilled holes at the rate of 15 litres of finished dilution per 3.0 metres per 0.3 metres of depth. For best results, make applications with a lateral dispersal nozzle. All holes must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

Bath Traps

Treat exposed soil or soil covered with tar or a similar type sealant beneath and around plumbing and/or drain pipe entry areas. Apply **MYTHIC INSECTICIDE** dilution at a minimum of 3.8 litres but no more than 15 litres of finished dilution per 0.09 square metres. An access door or inspection portal should be 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 with a 0.125% or 0.25% dilution of **MYTHIC INSECTICIDE**.

Buildings on Soil

In treating areas under wooden floors or other materials, with the exception of concrete or masonry, laying directly on or in close proximity to the soil (such as gymnasium floors, finished family rooms or similar areas converted to living areas where joists are placed on the ground and flooring placed on top), the floor should be drilled on a squared-grid pattern, 30 to 46 square cm on center, and **MYTHIC INSECTICIDE** dilution injected at 10 to 15 cm beneath the soil surface. Apply at the rate of 3.8 litres of finished dilution per 0.9 square meters to provide a uniform treated zone. Where there is exposed soil beneath and around plumbing/waste pipe entrances, thoroughly treat using 3.8 litres of finished dilution per 0.9 square metres to provide a uniform treated zone.

Basements - Outside Perimeter

Along the outside of the exterior walls, apply 15 litres of **MYTHIC INSECTICIDE** dilution per 3 linear metres per 0.3 metres of depth from grade to the top of the footing, or if the footing is more than 1.2 metres below grade, to a minimum depth of 1.2 metres. Apply by trenching and rodding into the trench, or trenching. Trenches must be at least 15 cm wide and at least 15 cm deep. When rodding through a trench, apply **MYTHIC INSECTICIDE** dilution to the soil with the application rod at 30 cm or less intervals. Use low pressure spray to treat soil as it is replaced into the trench. Mix **MYTHIC INSECTICIDE** dilution with the soil as it is being replaced into the trench. When trenching in sloping (tiered) soil, the trench must be stepped to ensure adequate distribution and to prevent the **MYTHIC INSECTICIDE** dilution from running out of the trench.

Basements - Inside Perimeter

If a well or cistern is present, refer to Wells/Cisterns section of this label to treat under the basement floor slab, drill vertically through the slab along the interior perimeter of the foundation. Drill holes along all concrete expansion joints, cracks, plumbing, and utility services penetrating the slab. Drill holes along both sides of partition foundation walls, and around piers. It may be necessary to drill holes along one side of the slab adjacent to a non-foundation interior partition wall if there is clear evidence of subterranean termite activity in the wall. All drill holes through the slab should be spaced so as to achieve a continuous treated zone but in no case be more than 30 cm apart. Inject finished dilution of **MYTHIC INSECTICIDE** into the drilled holes at the rate of 15 litres of finished dilution per 3 metres per 0.3 m of depth. For best results, application should be made with a lateral, dispersal nozzle. All holes in commonly occupied areas into which material has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

Hollow Block Foundation or Voids

Hollow block foundations or voids in masonry resting atop the footing may be treated. Drill and treat voids in multiple masonry elements of the structure extending from the structure to the soil in order to create a continuous treatment zone in the area to be treated. Applicators may drill and treat into voids of masonry elements if not openly accessible. Apply at the rate of 7.6 litres of finished dilution per 3 linear metres of footing using a nozzle pressure of 25 psi or less. When using this treatment, access holes may be drilled below the sill plate and should be as close as possible to the footing as practical. Treatment of voids or 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 dilution containing **MYTHIC INSECTICIDE** 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 the contaminated areas of the structure until the clean up is completed.

Not for use in voids insulated with rigid foam.

Plenums

BEFORE TREATMENT: Turn off any air circulation system that moves air from the space to be treated to an untreated interior space of the structure until application has been completed and all of the dilution containing **MYTHIC INSECTICIDE** has been absorbed by the soil.

For plenum-type structures, apply the **MYTHIC INSECTICIDE** dilution at the rate of 15 litres of dilution per 3 linear metres, per 0.30 metres of depth of soil to provide a uniform treated zone adjacent to both sides of foundation walls, supporting piers, plumbing and conduits. Create a vertical treated zone by trenching and rodding into the trench or by trenching around the foundation; trench must be about 15 cm wide and at least 15 cm deep. Use a low pressure spray to treat soil which will be replaced into the trench after rodding; mix **MYTHIC INSECTICIDE** dilution with the soil as it is being replaced into the trench.

When conditions will not permit trenching or rodding, a surface application adjacent to interior foundation walls may be made, but the treated zone shall not exceed a width of 45.7 cm, horizontally, from the foundation walls, piers, or pipes. The surface application should be made at a rate of 3.8 litres of **MYTHIC INSECTICIDE** dilution per 0.9 square metres as a very coarse spray under low pressure (not to exceed 25 p.s.i. when measured at the treating tool when valve is on).

Follow the instructions below for interior treatment of plenum structures that use a sealed under-floor space to circulate heat and/or cooled air throughout the structure.

1. Remove the sealing fabric and anything on the sealing fabric to expose no more than 45 cm adjacent to all foundation structures, including foundation walls, interior piers, pipes, and any other structures with soil contact. Follow the instructions listed above for exterior and interior treatment of "Accessible Crawl Spaces".
2. After the finished dilution containing **MYTHIC INSECTICIDE** 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.

TREATMENT OF STRUCTURES WITH WELLS OR CISTERNS

DO NOT contaminate wells or cisterns.

Structures with Wells/Cisterns Inside Foundations

DO NOT apply **MYTHIC INSECTICIDE** dilution within 1.5 metres of any well or cistern. Soil within 1.5 to 3 metres from a well or cistern must only be treated by the backfill method. Treatment of soil adjacent to water pipes within 0.9 metres of grade must only be done by the backfill method. Infested and/or damaged wood should be replaced or repaired.

Treated Backfill Method

Where treatment must be made in difficult situations, such as near wells, cisterns, along fieldstone or rubble walls, and around pipes and utility lines which lead to a well or pond, applications may be made in the following manner:

1. Trench and remove soil to be treated onto heavy plastic sheeting, similar material or into a wheel barrow.
2. Treat the soil at the rate of 15 litres of **MYTHIC INSECTICIDE** dilution per 3 linear metres per 0.3 metres of depth of the trench, or 3.8 litres per 0.03 cubic metres of soil. Mix the **MYTHIC INSECTICIDE** dilution thoroughly into the soil, taking care to prevent runoff or spillage.
3. After the treated soil has absorbed the **MYTHIC INSECTICIDE** dilution, replace the soil in the trench. Prior to using this technique near wells or cisterns, consult federal, provincial, or local agencies for information regarding approved treatment practices in your area.

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

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. Treatment of soil adjacent to the water pipe(s) should be done according to the backfill method. 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 0.9 metres of grade.
2. Prior to treatment, applicators are advised to take precautions to limit risk of applying 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.

When appropriate (i.e., on the side of the structure closest to the water), the treated backfill method (described above) can be used to further minimize off-site movement of **MYTHIC INSECTICIDE**.

DO NOT apply to drainage systems such as sumps, French drains, leach beds, or other effluent discharge systems.

Re-treatments

Subsequent to the initial treatment, re-treatments for subterranean termites can only be performed if there is clear evidence of re-infestation, or disruption of the treated zone due to construction, excavation, landscaping, and/or evidence of the breakdown of the termiticide treated zone in the soil. Those vulnerable or re-infested areas may be retreated in accordance with application techniques described in this product's labeling. Re-treatments may be made as either a spot, partial or complete treatment(s). The timing and type of these re-treatments will vary, depending on factors such as subterranean termite pressure, soil types, soil conditions and other factors which may reduce the effectiveness of the treated zone. Annual retreatment of the structure is prohibited unless there is clear evidence of re-infestation or if disruption has occurred.

Above-Ground Subterranean Termite Infestations

MYTHIC INSECTICIDE can also provide localized control of subterranean termites in their above-ground galleries, workings or aerial nests within the structure. Apply either a 0.125% or 0.25% dilution of **MYTHIC INSECTICIDE** by liquid injection into galleries, nesting areas and infested voids or channels in damaged wooden members of a structure, or to other locations vulnerable to attack by subterranean termites. Locate existing openings, or drill the infested cavity, and inject dilution under low pressure using appropriate treatment tools. Plug treatment holes drilled in commonly occupied areas of structures. Inspect as needed. Repeat treatment if subterranean termites continue to be a problem above-ground.

DO NOT re-apply more often than every four weeks.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that **MYTHIC INSECTICIDE** contains a Group 13 insecticide. Any insect population may contain individuals naturally resistant to **MYTHIC INSECTICIDE** and other Group 13 insecticides. The resistant individuals may dominate the insect population if this group of insecticide is 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 **MYTHIC INSECTICIDE** or other Group 13 insecticides with different groups that control the same pests in a location.
- Use tank mixtures with insecticides from a different group when such use is permitted.
- 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 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 BASF Canada Inc. at 1-877-371-2273.

STORAGE

1. Store the leftover product in original tightly closed container.
5. **DO NOT** ship or store the product near food, feed, seed and fertilizers.
6. Store in cool, dry, locked, well-ventilated area without floor drain.
7. **DO NOT** store below 0°C. **DO NOT** store in direct sunlight or heat.

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.

FIRST AID

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

The patient should be treated symptomatically.

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.