

SUBTERRANEAN TERMITE CONTROL - STRUCTURES WITH ADJACENT WELLS / CISTERNS AND/OR OTHER WATER BODIES (0.12% EMULSION)

General Information

DIRECTIONS FOR USE

Do not apply a broadcast application to interior surfaces of homes.

Do not apply by air.

Do not apply in greenhouses, nurseries.

Do not apply the product through any kind of irrigation system.

Not for use on sod farm turf, golf course turf, or grass grown for seed.

Do not apply to pets, crops, or sources of electricity.

Firewood is not to be treated.

Use only in well-ventilated areas.

During any application to overhead areas of structure, cover surface below with plastic sheeting or similar material except for soil surfaces in crawlspaces.

Do not allow spray to contact food, foodstuffs, food-contacting surfaces or food utensils or water supplies.

Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of the product.

Do not treat areas where food is exposed.

During indoor surface applications do not allow dripping or runoff to occur.

Do not allow contact with treated surfaces by people or pets before spray has dried.

Bifen I/T will not discolor or otherwise harm surfaces that water alone will not

discolor or otherwise harm.

Do not apply the product in patient rooms or in any rooms while occupied by the elderly or infirm.

Do not apply Bifen I/T in classrooms, libraries, sports venues, or other institutional facilities when they are occupied.

Bifen I/T may be applied with low-volume application equipment, including Actisol and Micro-Injector, for general surface, spot, crack and crevice, and deep harborage treatments.

Not for use on plants being grown for sale or other commercial use , or for commercial seed production, or for research purposes. For use on plants intended only for aesthetic purposes or climactic modifications and being grown in interior plantscapes, ornamental gardens or parks, or lawns and grounds.

APPLICATION DIRECTIONS

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended only for aesthetic purposes or climatic modifications and being grown in interior plantscapes, ornamental gardens or parks, or lawn and grounds. Only use the product on plants being grown for aesthetic or climatic purposes and in interior and exterior sites, such as, gardens, parks, lawns, and grounds, and other ornamental sites. Do not use on vegetation intended for sale or other commercial uses. Do not use on plants grown for seed production or research purposes.

Using the product in and around structures and building construction will prevent and control termite infestations.

To institute a barrier between the wood and the termites in the soil, the chemical emulsion must be effectively dispersed in the soil. It is important to remove unnecessary materials that contain cellulose and wood from around foundation walls, crawl spaces (inside of structure), and porches, and fix damaged plumbing and construction grade in order to deny termite access to moisture.

To use the product effectively, it is important that the service technician be familiar with current control practices including trenching, rodding, subslab injection, low-pressure spray applications, coarse fan spraying of soil surfaces, crack and crevice

(void) injection, excavated soil treatment and brush and spray applications to infested or susceptible wood. . Using these techniques correctly is essential to prevent or control infestations by subterranean termite species of genera *Reticulitermes*, *Zootermopsis*, *Coptotermes* and *Heterotermes*. When determining what procedures to follow, the service technician should consider certain variables. Some of the variables to consider are species biology and behavior, structure design, heating, ventilation, and air conditioning (HVAC) systems, water table, soil type and compaction, grade conditions, and the location and type of domestic water supplies and utilities.

For information concerning the most up to date control practices in a given region or locale, consult the local resources for structural pest control, state cooperative extensions or regulatory agencies.

General Applications Instructions

Bifen I/T controls a wide range of listed pests on flowers, foliage plants, non-bearing fruit and nut trees, shrubs, and ornamental trees, in interior and exterior plantscapes, such as those in hotels, office buildings, shopping malls, etc., and around athletic fields, homes, institutional buildings, parks, and recreational areas. Non-bearing fruit and nut trees are those that will not produce a harvestable crop during the season of application.

Bifen I/T can be tank-mixed with insect growth regulators and other pesticides. Observe all precautions and Directions for Use for each product. Physical compatibility may vary with different combinations of products, so prepare a small scale (pint or quart jar) test sample for any combination not tested previously. Use proper proportions in the small scale test to achieve the correct result.

Unless otherwise noted in the label instructions, use the procedure below for preparation of a new tank mix:

1. Add wettable powders to tank water.
2. Mix well
3. Add liquids and flowables
4. Mix well

5. Add emulsifiable concentrates

6. Mix well

Try reversing the order of addition or increasing the amount of water if the combination is not compatible using the above order. NOTE: After increasing the amount of water, if the mixture is found to be compatible, it is necessary to recalibrate the sprayer for a higher volume application. Do not allow mixture to stand overnight.

Subterranean Termite Control - General Directions

Important: Observe the following precautions to avoid contamination of public and private water supplies:

- Use anti-backflow equipment and procedures to prevent insecticide from being siphoned into water supplies.
- Do not contaminate cisterns, wells, or other water tanks by treating the soil beneath these structures.
- Do not treat soil where runoff may occur.
- Do not treat soil water-saturated or frozen soil.
- Consult local and state specifications for recommended treatment practices in your area.
- If local or state specifications do not exist, consult the Federal Housing Administration (H.U.D.) guidance documents.

Note: For the purposes of the label, crawl spaces are defined as being inside of the structure.

Critical Areas: Points at which the foundation is penetrated or abuts another structure are Critical Areas. These include bath traps, cracks and expansion joints, utility entry points, and adjacent structures such as patios, slab additions, and stairs.

Limitations, Restrictions, and Exceptions

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Desired Gallons of Finished Emulsion: 1-200 gallons

(Refer to table in the label for specific concentrations required)

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 the 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.

Before these techniques are used close to cisterns, wells, or other bodies of water, seek advice from local, state, or federal agencies for information on treatment practices that are accepted in your area.

Use a 0.06% emulsion for subterranean termites. For other pests on the label use specific listed rates.

Application Volume: To provide maximum control and protection against termite infestation apply the specified volume of the finished water emulsion and active ingredient as set forth in the directions for use section of the label. If soil will not accept the labeled application volume, the volume may be reduced provided there is a corresponding increase in concentration so that the amount of active ingredient applied to the soil remains the same.

Note: Large reductions of application volume reduce the ability to obtain a

continuous barrier. Variance is allowed when volume and concentration are consistent with the label directed rates and a continuous barrier can still be achieved.

The volume of the 0.12% emulsion may be reduced by $\frac{1}{2}$ the labeled volume where desirable for pre- and post-construction applications. When the volume is reduced, the hole spacing for subslab injection and soil rodding may also need to be adjusted to account for lower volume dispersal of the termiticide in the soil.

See 'Volume Adjustment Chart' in the label for details.

After treatment: 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.

Method

[N.A.](#)

Timings

[N.A.](#)