CONTROLLING ANTS INDOORS AND OUTDOORS - CARPENTER ANTS OUTDOORS

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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Treat carpenter ant nests for best results. Treat areas where carpenter ants are seen or are believed to forage, such as ant trails, and around doors and windows. Treat using a low or high volume perimeter treatment. When treating concrete surfaces, more frequent treatments, higher dilutions and/or application volumes may be needed for carpenter ant control. Following the procedure below will normally allow optimal control:

1. Dilute 0.5 to 1.0 fl. oz. of Bifen I/T per gallon of water and apply at a rate of up to 10 gallons of dilution per 1,000 square feet to obtain residual control.

2. Vegetation and porous surfaces should be treated with high volume applications using dilutions that are calculated to deliver 0.5 to 1.0 fluid oz. of Bifen I/T per 1,000 square feet (refer to the Ornamental and Perimeter Application Dilution Charts).

3. Non-porous surfaces should be treated with low volume applications using 0.5 to 1.0 fluid oz. of Bifen I/T per gallon of water and applying this dilution at the rate of one gallon per 1,000 square feet.

4. Use 0.5 to 1.0 fl. oz. of Bifen I/T per gallon of water on tree trunks with carpenter ant trails or evidence of foraging. Apply to the bark, completely wetting it from the bottom of the tree to the highest possible point on the trunk.

To control carpenter ants inside deck materials, fencing, trees, utility poles or other structural elements, drill to find the inside infested cavity and inject or foam a 0.06% dilution (1.0 fl. oz. of Bifen I/T per gallon of water) into the cavity with adequate volume and a proper treatment tool with a splash-back guard. Where there are ants tunneling below the surfaces, dilute 0.5 to 1.0 fl. oz. of Bifen I/T per gallon of water and applying as a drench or foam at intervals of 8 to 12 inches. A uniform barrier should be established where there are ants tunneling below surfaces such as, at the edges of walls, driveways or other hard surfaces.

Use a sprinkling can or a hose-end sprayer to distribute a coarse drenching spray, apply a 0.06% dilution to stored lumber and wood piles. This wood may be used for lumber or may be burned after 30 days. Do not use this method of application in structures.

Diluting 1.0 fluid oz. of Bifen I/T per gallon of water and applying to the soil below

where the firewood will be stacked at the rate of one gallon of dilution per 8 square feet will protect the wood from carpenter ants.

DO NOT treat firewood with the product.

Method
Surface
Rates
field_rates 0

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Timings
N.A.