MAXXTHOR SC

For use only by individuals/firms licensed or registered by the state to apply termicide products when used as a termicide. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the structural pest control regulatory agency of your state prior to use of this product.

To control structural pests indoors and outdoors in and around residential, commercial, industrial, institutional and public structures and buildings.

To control pests of lawns and ornamental plants in lawns, parks, grounds, landscapes, recreational areas and athletic fields.

Active Ingredient: By Wt.
Bifenthrin* .......................................................... 7.9%
Other Ingredients: .................................................. 92.1%
TOTAL: .................................................................. 100.0%

EPA Reg. No. 81824-5 EPA Est.
Maxxthor SC contains 2/3 pounds active ingredient per gallon.

(PRECAUCION AL USUARIO: Si usted no puede leer o entender ingles, no use este producto hasta que le haya sido explicada ampliamente.)

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

For product use information call 1-866-FOR-THOR (367-8467) or visit www.maxxthor.com.

KEEP OUT OF REACH OF CHILDREN

ENSYSTEX II, Inc.
2713 Breezewood Ave.
Fayetteville, NC 28303

Net Contents:

FIRST AID

If swallowed • Call poison control center or doctor immediately for treatment advice.
• Have person sip a glass of water if able to swallow.
• Do not induce vomiting unless told to do so by the poison control center or doctor.
• Do not give anything to an unconscious person.

If Inhaled • Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
• Call a poison control center or doctor for further treatment advice.

If on skin or clothing • Take off contaminated clothing.
• Rinse skin immediately with plenty of water for 15 to 20 minutes.
• Call a poison control center or doctor for treatment advice.

If in eyes • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
• Call a poison control center or doctor for treatment advice.

HOTLINE NUMBER
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-(888)-398-3772 for emergency medical treatment information.

NOTE TO PHYSICIAN
This product is a pesticide. If large amounts of this product have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and should be avoided.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash before reuse.

Personal Protective Equipment: All pesticide handlers (misters, loaders and applicators) must wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. All pesticide handlers must wear a respiratory protection device when working in a non-ventilated space (such as a HOGA approved respirator with any R, P or HE filter or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE pre-filter). All pesticide handlers must wear protective eyewear, such as goggles, face shields or safety glasses, when working in a non-ventilated space or when applying as a termicide by shredding or sub-slab injection. After the product is diluted in accordance with label directions for use (or if an in-line injector system is used) shirt, pants, socks, shoes and waterproof gloves are sufficient.

Termite Control Treatment: 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 in the area to prevent any leaks or significant exposures to persons occupying the structure. People present or residing in the structure at the time of application must be advised to remove their pets and themselves from the structure if they see any signs of leakage. After application, the applicator is required to check for leaks. All leaks resulting in the deposition of termicide 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.

Environmental Hazards
This pesticide is extremely toxic to fish and aquatic invertebrates. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Care should be used when spraying to avoid fish and rippled ponds/ponds or ornamental ponds. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when wind is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies and drainage systems. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Physical and Chemical Hazards
Do not apply this product or solutions of this product around electrical equipment, such as electrical conduits, motor housings, junction boxes, switch boxes, etc. due to the possibility of shock hazard.

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply as a broadcast application to interior wall and floor surfaces of homes except as otherwise permitted.
Do not apply by aircraft or through an irrigation or chemigation system.
Do not allow spray to drift onto ponds, ditches or lakes.
Do not apply in greenhouses or nurseries.
Not for use on sod, farm turf, golf course turf or grass grown for seed.
Do not water the treated area to the point of run-off.
Do not make applications during rain.
Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during application.

Rev. 02-15-2012
Additional Application Restrictions for Pre-Construction Termiticide Applications:

1. The treatment site must be covered prior to a rain event in order to prevent run-off of the pesticide into non-target areas.
2. The applicator must either cover the soil themselves or provide written notification of the above requirement to the contractor or the person in charge of the application (if different from the contractor). If notice is not provided to the contractor or the person in charge of the application, then the applicator shall not be permitted to apply the product.

Additional Application Restrictions for Residential Outdoor Surface and Space Sprays:

1. All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:
   a. Treatment to soil or vegetation around structures;
   b. Applications to lawns, turf, and other vegetation;
   c. Applications to building foundations, up to a maximum height of 3 feet.
2. Other than applications to building foundations, all outdoor applications to impervious surfaces such as driveways, sidewalks, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to spot and crack-and-crevice applications only.
3. Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

STORAGE AND DISPOSAL

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

Peptide Storage:

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excessive heat. Handle and open container in a manner so as to prevent spillage. Do not put concentrate or dilute material into food or drink containers.

Peptide Disposal:

Pesticide wastes are toxic. Improper disposal of excess pesticide, spill mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:

Non-Refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

Non-Refillable containers less than or equal to 5 gallons: Triple rinse as follows: Empty the remaining contents into an application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or pondeos and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Non-Refillable containers greater than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/2 full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth, amounting at least one complete revolution, for 30 seconds. Stand the container on its end and roll it back and forth several times. Turn the container over in its side and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or pondeos and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

In Case of Spill:
Confine it, avoid contact, isolate area and keep animals and unprotected persons away. Form a circle around spill area and absorb spill with absorbent materials, such as sand, cat litter or clay. Place damaged package in a holding container and identify contents. Contact Environste II at 1-888-398-3772 for any assistance.

Treatment standards and procedures for subterranean termite control may vary due to regulations, water table level, structure design, soil types, construction practices and other factors. For advice concerning current control practices with respect to specific local conditions, consult resources in structural pest control and state cooperative extension and regulatory agencies. Follow all federal, state and local regulations and treatment standards for protection of a structure from subterranean termites.

Effective termite control may also include mechanical alteration of the structure. Elimination of leks or points of moisture accumulation within or on the exterior of the structure that result in an increase in the moisture content of wooden structural components is advised. Removal of non-essential cellulose containing materials that are in contact with the ground under or around the structure can reduce termite foraging in the area. When untreated wooden parts of the structure touch the ground such contact should be broken, creating a barrier between the soil and such components using a solution of the product may protect the components and the structure against termite attack.

Mix Maxxor SC for use as a termicidal in the following manner:

1. Fill tank 1/4 to 1/3 full.
2. Start pump to begin by-pass agitator and place end of treating tool in tank to allow circulation through hose.
3. Add appropriate amount of Maxxor SC.
4. Add remaining amount of water.
5. Let pump run and allow recirculation through the hose for 2 to 3 minutes.

Maxxor SC may also be mixed into full tanks of water, but substantial agitation is required to ensure uniformity of the solution.

Mixing Directions For Maxxor SC For Use As A Termicidal

<table>
<thead>
<tr>
<th>Solution Percentage</th>
<th>Gallons of Finished Solution Desired</th>
<th>Amount of Maxxor SC to add</th>
<th>Water to mix with Maxxor SC</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.06%</td>
<td>1 oz</td>
<td>5 oz</td>
<td>25 oz</td>
</tr>
<tr>
<td></td>
<td>5 oz</td>
<td>25 oz</td>
<td>50 oz</td>
</tr>
<tr>
<td></td>
<td>1 qt. 16 oz.</td>
<td>100 qt.</td>
<td>100 qt.</td>
</tr>
<tr>
<td>0.12%</td>
<td>2 oz</td>
<td>10 oz</td>
<td>25 oz</td>
</tr>
<tr>
<td></td>
<td>5 oz</td>
<td>50 oz</td>
<td>100 qt.</td>
</tr>
<tr>
<td></td>
<td>1 qt. 18 oz.</td>
<td>100 qt.</td>
<td>150 qt.</td>
</tr>
</tbody>
</table>

*Only use the 0.12% rate in accordance with the Adjustments to Application Volume section. May also be used in accordance with the ROAM APPLICATIONS and APPLICATIONS TO PROTECT UNDERGROUND ITEMS FROM TERMITIE ATTACK sections.

Calculation of an Amount of Maxxor SC to Mix

To mix any amount of laudor SC for termite control, determine:

1. Units of water into which the Maxxor SC will be mixed. Express any partial units as decimal fractions (1/2 = 0.5). Any unit of measure, such as gallons or quarts, can be used for A. Answers to equations below are in same units as A.

Maxxor SC to add to A for 0.06% = A x 153.2
Maxxor SC to add to A for 0.12% = A x 65.7

2. Convert gallons to fluid ounces, multiply number of gallons X 128

212 fluid ounces = 16 cups x 5 pints = 4 quarts = 1 gallon
32 fluid ounces = 1 quart

Application Volume

To provide maximum control and protection against termite infestation, apply the specified volume of the finished water solution containing the specified amount of Maxxor SC as set out below or as otherwise directed in this label.

Prescribed Horizontal Barrier Rate: Unless otherwise directed, horizontal barriers are created by applying a 0.06% solution at a rate of one gallon of solution per 10 linear feet of depth. (One gallon of 0.06% solution contains 1.0 fluid ounce of Maxxor SC.)

Prescribed Vertical Barrier Rate: Unless otherwise directed, vertical barriers are created by applying a 0.06% solution at a rate of one gallon of solution per 10 linear feet of depth. (Four gallons of 0.06% solution contains 4.0 fluid ounces of Maxxor SC.)

Adjustments to Application Volume

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 likelihood of obtaining a continuous barrier. Variances are allowed when volume and concentration are consistent with labeled directed rates and a continuous barrier can still be achieved. When volume is reduced, the spacing of holes created for sub soil injection and soil rotting may need to be reduced so that soil is layered to the exact 0.5 inch depth.

For adjustments, the amount of solution applied to deliver a horizontal barrier of 10 square feet from 1 foot to 50 square feet as low as 0.5 gallons and as high as 2 gallons while maintaining the amount of Maxxor SC (1 fluid ounce) applied per 10 square feet.

Tip and Measure Container Dispensing Directions

1. Remove the cap from the measuring chamber and remove seal over container opening.
2. Replace the cap securely.
3. Tip the container until the measuring chamber contains the desired amount of product.
4. Return container to its level position.
5. Remove the cap from the measuring chamber and pour product into the application equipment.
6. Replace cap securely.

APPLICATION FOR CONTROL OF SUBTERRANEAN TERMITES

General

Maxxor SC, in the form of a dust insecticidal solution, prevents and controls subterranean termite infestations in and around structures and other items by creating a continuous chemically treated zone (horizontal and/or vertical as needed) between the wood and other cellulose material in the structure and termite infestations in the soil. In order to establish this barrier and prevent the termites from traversing the soil, adequately dispose the solution of this product in the soil. Maxxor SC can also be used to directly treat termites infested wood, however such treatment should be considered to be supplementary to, and not a replacement for, soil based applications of this product. To effectively control termites with this product, the service technician should be familiar with current termite control practices including trenching, rodging, sub-slab and void injection, soil surface spray treatment, vacuumed soil treatment and brush, spray and injection applications to wood. Correct use of these techniques is necessary to effectively control infestations by subterranean termites such as Coptotermes, Metrocontertes and Zodniotersmes. The service technician should consider the behavior and biology of the termite species to be controlled to determine which control practices to use.
For example, adjust the amount of solution applied to deliver a vertical barrier 10 feet long by one foot deep from 4 gallons as low as 2 gallons and as high as 8 gallons while maintaining the amount of Maxxor ST (4 fluid ounces) applied to 10 linear feet.

PRE-CONSTRUCTION TREATMENT

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

Prior to each application, applicators must notify the general contractor, construction superintendent, or similar responsible party, of the intended termite application and intended sites of application and instruct the manufacturer and the individuals to leave the area to be treated during application and until the termiteicide is absorbed into the soil.

Effective control of subterranean termites can be accomplished during construction by using a 0.05% solution of Maxxor ST to treat horizontal and vertical termiticide barriers.

Horizontal Barriers Under Slabs on Ground Including Basements

Create a horizontal barrier on the entire surface of soil or substrate that will be covered by a slab, including, but not limited to, slab floors, garages, carports, basements, porches and entrances by treating the exterior surface of the slab. This is best accomplished by applying the termiteicide in the form of a slow release granules or dusting the slab in the form of a concentrate.
Within wooden components and trees
Locate the cavity that the insects (such as carpenter ants) are inhabiting. Inject a 0.06% solution of Maxthor SC into the cavity as a solution of foam. Apply a sufficient volume of solution to completely fill the cavity. Drill injection channels if necessary.

APPLICATION FOR LAWN PESTS
Maxthor SC controls a wide range of turfgrass insect and mite pests. Maxthor SC is not for use on turfgrasses grown for sale, commercial weed production, or for cosmetic use or for research. Not for use on coarse turf.

Application Sites
Use on any type of landscape or recreational turfgrass in any type of setting or on any type of site except as otherwise prohibited. Puttied sites include but are not limited to lanes, grounds, recreational areas, parks, landscapes and athletic fields. New York State only: Do not apply Maxthor SC containing solutions to grass growing within 150 feet of a body of water (lakes, pond, river, stream, wetland or drainage ditch).

Application Precautions and Preparations
Keep children and pets off treated areas until sprays has dried.

If necessary, test the effects of applications of different rates and volumes of mixed solution on a small patch of a type of grass (with observations over one week) to detect the occurrence of negative effects before application of solutions to large areas of that type of grass.

Maxthor SC can be mixed with other pesticides, including insect growth regulators. Follow the label directions of all the products mixed, making sure not to exceed the labeled application rate of any individual product in the mixture. Any tank mixture that has not been tested before should be tested before full scale use by first mixing a small quantity of the mixture to ensure there is no physical or chemical incompatibility.

Application Methods
Apply solution as a broadcast treatment in a quantity sufficient to wet all foliage. If necessary, consult resources in horticulture in your area (such as your Cooperative Extension Service) to determine appropriate application timing and cultural practices to control different types of pests.

Reapplication
Reapplications may be necessary particularly in the event of high pest pressure. Reapply as needed based on pest reinfestation. Reapplications should not occur more than every 7 days. New York State only: Do make a single reapplication of Maxthor SC if there is renewed insect activity, but not sooner than two weeks after first application.

Lawn Application Use Rates and Volumes
Use rates for Maxthor SC for lawn pests are stated in fluid ounces of Maxthor SC per 1000 square feet. Apply Maxthor SC at 0.16 to 1.0 fluid ounces per 1000 square feet depending on the target pest. Recommended rates for specific pests within this range are given below. However, applications of up to 1.0 fluid ounces per 1000 square feet are permitted at the discretion of the applicator to control pests. Depending on the length and/or density of grass being treated, application volumes of up to 10 gallons per 1000 square feet can be made in order to obtain uniform coverage. If a minimal volume application is made (2 gallons per 1000 square feet) and the target pest, such as mites or cricket or chinch bugs for example, are located in the thatch or below the surface, irrigate the treated area with at least 0.25 inches of water immediately after the application.

The calculated amount of Maxthor SC can be applied in any volume of water as long as the maximum label rate of 1.0 fluid ounce per 1000 feet is not exceeded. Do not exceed the maximum label rate by applying solution to an area smaller than intended when it was mixed and diluted unless such under dosing will not result in an application rate per 1000 square feet in excess of the maximum label rate.

Lawn Pest Application Use Rates
The application rates listed below provide control of the listed pests under normal conditions. At the discretion of the applicator, up to 1.0 fluid ounce of Maxthor SC per 1000 square feet can be used to control any of the listed pests. Use the higher application rates when maximum residual control is needed.

Mixing Table for Maxthor SC for Lawn Applications

<table>
<thead>
<tr>
<th>Use Rate Table for Maxthor SC for Lawn Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use Rate</td>
</tr>
<tr>
<td>----------</td>
</tr>
<tr>
<td>A</td>
</tr>
<tr>
<td>B</td>
</tr>
<tr>
<td>C</td>
</tr>
</tbody>
</table>

Lawn Pests Grouped by Use Rates
Use Rate A: Armyworms, Cutworms, Soil Weevils
Use Rate B: Annual Bluegrass or Hydropterus Weevi (Adult), Barley Grass Mite, Bilburugia, Black Turf Latrice and Minorum (Adult), Centipede Bug, Bug, Cricket, Ears, Ears, Feeds, Feeds, Feeds, Grasshoppers, Leafhoppers, Millet, Grasshoppers, Millet, Mites, Pillbugs, Sowbugs
Use Rate C: Ants, Feeds (Larrvae), Imported Flies Ant, Japanese Beetle (Adult), Meal Cricket (Nymph and Adult), Ticks

Mixing Table for Maxthor SC for Lawn Applications

<table>
<thead>
<tr>
<th>Use Volume:</th>
<th>Use Rate: Fluid oz. / 1000 sq. ft.</th>
<th>Use these amounts of Maxthor SC diluted to these volumes of finished spray</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 gal.</td>
<td>2 .18</td>
<td>.025 50 2.03 6.25</td>
</tr>
<tr>
<td>10 gal.</td>
<td>2 .18</td>
<td>.025 50 1.0 2.03 6.25</td>
</tr>
<tr>
<td>25 gal.</td>
<td>2 .18</td>
<td>.025 50 150 2.03 6.25</td>
</tr>
<tr>
<td>1 gal.</td>
<td>1.00 1.00</td>
<td>.025 50 100 2.03 6.00</td>
</tr>
<tr>
<td>4 gal.</td>
<td>1.00 1.00</td>
<td>.025 50 6.0 6.6 6.25</td>
</tr>
<tr>
<td>10 gal.</td>
<td>1.00 1.00</td>
<td>.025 50 6.0 6.6 6.25</td>
</tr>
</tbody>
</table>

Application Volume: 1000 sq. ft. Use Rate: Fluid oz. / 1000 sq. ft. Use these amounts of Maxthor SC diluted to these volumes of finished spray.

APPLICATION FOR WOOD OUTDOORS TO PROTECT AGAINST WOOD DESTROYING INSECTS
On and around structures
Labelled as a wood preservative, Maxthor SC applied as a liquid or foam to exterior structural components can be used to protect them from the attack of wood infesting insects such as termites, carpenter ants and wood boring beetles or borers. Apply solution by general fan spray to the point of runoff onto the surface of the wood or inject solution under pressure into the wood as a liquid or foam. Inject by either injecting solution directly into existing voids and galleries or by drilling wood to form treatment channels through which the solution can be injected into the insect galleries. Multiple treatment channels may need to be drilled to adequately distribute the solution within the wood interior. Application can also be made with a paintbrush.

To control carpenter ants, also apply solution around doors and windows and other areas carpenter ants have been observed or can be expected to forage.

Rev. 02-15-2012
Calculating Amounts of Maxthor SC to Mix for Lawn Pests

To mix and apply any amount of Maxthor SC for lawn pests, determine:

A = Square feet of area to be treated / 1000 (5,500 sq. ft./1000 = 5.5)  
B = Use Rate per 1000 square feet for the target pest(s) in fluid ounces Maxthor SC taken from the Use Rate Table. If treating for more than one type of pest, select the highest rate.  

Calculate the amount of Maxthor SC to mix for lawn pests as follows:  

Fluid Ounces Maxthor SC to use = A + X B  

Mix this amount of Maxthor SC in the amount of water needed to make the application. After mixing, the percent of Maxthor SC active ingredient contained in the mixture can be determined using the following formula:

% a.i. = (0.0617 X Fluid oz. of Maxthor SC added + gallons of water in container)

Application Recommendations Against Specific Lawn Pests

Annual Bluegrass or St. Augustine Grass (Adults): Consult your Cooperative Extension Service for advice on application timing in your area.

Armyworms, Cutworms, Saw Toothed Grain Beetles: Do not water or mow grass within 24 hours of application for optimum control of these surface feeding insects.

Billbug Adults: Make application when adults first appear in the spring or when chewed or brown grass indicates damage. Consult your Cooperative Extension Service for advice for more exact application timing in your area.

Chinch Bugs: Water grass immediately after application to help move active ingredient deeper into thatch where these insects live. The highest application rate may be necessary to achieve control during the summer.

Fire Ant: Combine broad-spectrum treatments to control newly invading ants and mound treatments to control existing ant colonies. Treat mounds according to the Structural Pest Control Outside and Around Structures section of this label. For best results, make application during cool weather (65 to 80 degrees F) or in the early morning or late evening.

Mole Crickets: Make application late in the day and water grass immediately after application to move treatment down into the grass where these insects live. If soil is not moist, wait before treatment to also bring crickets closer to surface before application. Treating at the time of peak egg hatch increases control of hatching nymphs. Frequent applications may be necessary to control larger nymphal population later in the year.

Ticks: (including ticks that may transmit Lyme Disease and Rocky Mountain Spotted Fever) - Treat the entire area where ticks could be present. Begin treatments in the spring. Ticks may be re-introduced by host animals in the surrounding area. Retreats may be necessary to achieve and maintain control during periods of high pest pressure.

APPLICATION FOR ORNAMENTAL PESTS

Maxthor SC controls a wide range of insects and mites on trees, shrubs, foliage plants, non-bearing fruit and nut trees and flowers. Non-bearing trees are perennial plants that will not produce a harvestable agricultural commodity within the next 12 months. Maxthor SC is not for use on plants being grown for sale, for commercial seed production or for research purposes.

Application Sites

For use on ornamental plants including but not limited to trees, shrubs, ground covers, bedding plants and foliage plants being used for decorative or climate modification purposes. Plants on which use is permitted include those being grown in any type of setting or at any type of site not otherwise prohibited. Permitted sites include but are not limited to ornamental gardens, parks, landscapes, lawns, grounds and interior planters.

Application Preparation

If necessary, test the effects of applications of different rates and volumes of mixed solution on a small number of a type of plant (with observations over one week to detect the occurrence of negative effects) before applying to large numbers of plants. Maxthor SC can be mixed with other pesticides, including insect growth regulators. Follow the label directions of all the products mixed, making sure not to exceed the label rate of any individual product in the mixture. Any tank mixture that has not been tested before should be tested before full scale use by first mixing a small quantity of the mixture to ensure there is no physical or chemical incompatibility.

Application Methods

Apply solution in a quantity sufficient to wet all foliage. It may also be necessary to treat non-foliage parts of plants such as trunks and bark to control some pests based on where the pest may be located on the plant at a particular site. If necessary, consult resources in horticulture in your area (such as your Cooperative Extension Service) to determine appropriate application timing, cultural practices and placement of treatment on different parts of plants to control different pests.

Reapplication

Reapplications may be necessary as plant growth occurs and new foliage appears or in the event of high pest pressure. Reapply as needed based on pest re-infestation. Reapplications should not occur more than every 7 days.

Ornamental Application Use Rates and Volumes

Use rates for Maxthor SC for ornamental pests are stated in fluid ounces of Maxthor SC per 1000 square feet.

Recommended ornamental application use rates based on the target pest, range between 0.125 to 1.0 fluid ounce of Maxthor SC per 1000 square foot. Recommended rates for specific pests within this range are given below. However, applications of up to 1.0 fluid ounce per 1000 square feet are permitted at the discretion of the applicator to control any pest.

The calculated amount of Maxthor SC can be applied in any volume of water as long as the maximum label rate of 1.0 fluid ounce per 1000 square feet is not exceeded. Do not exceed the maximum label rate by applying solution to an area smaller than intended when it was mixed and diluted unless such understooping will not result in an application rate per 1000 square feet in excess of the maximum label rate.

Ornamental Pest Application Rates

The application rates listed below provide control of the listed pests under normal conditions. At the discretion of the applicator, up to 1 fluid ounce of Maxthor SC per 1000 square feet can be used to control any of the listed pests. Use the higher application rate when maximum residual control is needed.  

<table>
<thead>
<tr>
<th>Use Rate</th>
<th>Fluid ounces Maxthor SC per 1,000 square feet (Range)</th>
<th>Use Rate</th>
<th>Fluid ounces Maxthor SC per 1,000 square feet (Range)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.125 to 0.250</td>
<td>B</td>
<td>0.250 to 0.500</td>
</tr>
<tr>
<td>C</td>
<td>0.000 to 1.000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ornamental Pest Groups by Use Rates

Use Rate A: Bagworms, Cutworms, Elm Leaf Beetles, Fall Webworms, Gypsy Moth Caterpillar, Lace Bug, Leaf Feeding Caterpillar, Tent Caterpillar

Use Rate B: Ants, Aphids, Bees, Bent Armyworms, Black Vine Weevil (Adult), Brown Soft Scale, Broad Mite, Bxworms, California Red Scale (Crawler), Cercidiphylla, Citrus Thrip, Clover Mite, Crickets, Diapriidae (Adult), Earwig, European Red Mite, Flea Beetles, Fusca Granulata (Adult), Grasshoppers, Leafhoppers, Leafminers, Mealybugs, Milipedes, Mites, Mosquitoes, Orchid Weevil, Pulps, Pine Needle Scale (Crawler), Plant Bugs (including Ligus spp), San Jose Scale (Crawlers), Scorpions, Spiders, Spiders, Spittlebugs, Thrips, Tip Moth, Twig Borers, Wasp, Webworms, Whiteflies

Use Rate C: Imported Fire Ant, Lepismatina, Pocan Leaf Scorpion: Mite, Pine Shoot Beetle (Adults), Spider Mites

Mixing Table for Maxthor SC for Ornamental Applications

<table>
<thead>
<tr>
<th>Application Volume: Gallons/1000 sq. ft.</th>
<th>Use Rate: Fluid oz. /1000 sq. ft.</th>
<th>Use these amounts of Maxthor SC diluted to these volumes of finished spray</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 gal.</td>
<td>10 gal.</td>
<td>25 gal.</td>
</tr>
<tr>
<td>2</td>
<td>1.25</td>
<td>1.25</td>
</tr>
<tr>
<td></td>
<td>0.31</td>
<td>0.31</td>
</tr>
<tr>
<td></td>
<td>0.03</td>
<td>0.03</td>
</tr>
<tr>
<td>5</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td>2.50</td>
<td>2.50</td>
</tr>
<tr>
<td></td>
<td>5.00</td>
<td>5.00</td>
</tr>
<tr>
<td></td>
<td>12.50</td>
<td>12.50</td>
</tr>
<tr>
<td>19</td>
<td>1.25</td>
<td>1.25</td>
</tr>
<tr>
<td></td>
<td>0.13</td>
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<tr>
<td></td>
<td>0.05</td>
<td>0.05</td>
</tr>
<tr>
<td>1</td>
<td>0.10</td>
<td>0.10</td>
</tr>
<tr>
<td></td>
<td>0.25</td>
<td>0.25</td>
</tr>
</tbody>
</table>

Calculating Amounts of Maxthor SC to Mix for Ornamental Pests

To mix and apply any amount of Maxthor SC for ornamental pests, determine:

A = Square feet of area to be treated /1000 (5,500 sq. ft./1000 = 5.5)  
B = Use Rate per 1000 square feet for the target pest(s) in fluid ounces Maxthor SC taken from the Use Rate Table. If treating for more than one pest, select the highest rate.  

Calculate the amount of Maxthor SC for mix for ornamental pests as follows:  

Fluid Ounces Maxthor SC to use = A + X B  

Mix this amount of Maxthor SC in the amount of water needed to make the application. After mixing, the percent of Maxthor SC active ingredient contained in the mixture can be determined using the following formula:

% a.i. = (0.0617 X Fluid oz. of Maxthor SC added + gallons of water in container)

Application Recommendations Against Specific Ornamental Pests

Bagworms: Spray when bagworms first begin to hatch. Apply directly to the larvae. Treatment is most effective against young larvae.

STRUCTURAL PESTS (OTHER THAN WOOD INFEETING INSECTS)

Maxthor SC controls a wide range of structural pests including nectarous pests inside and outside of structures. Maxthor SC can be applied in and around any type of residential or commercial structure, building or mode of transport including food/feed handling establishments unless otherwise prohibited. Permitted sites include but are not limited to the interior and exterior of homes, office buildings, mobile and modular homes, apartments and stores. Do not apply within aircraft cabins.

Dilution of Maxthor SC for Structural Pests

For structural pests, use rates for Maxthor SC are expressed and mixed according to the percentage (gallonage) concentration solution it forms when mixed in water. Each 0.186 fluid ounce (1 teaspoon) of Maxthor SC is added to 1 gallon of water increases the concentration of Maxthor SC to that of 1 gallon of water by 0.01%. For example, to make a 0.06% solution in 1 gallon of water, mix 1 fluid ounce (6 teaspoons) of Maxthor SC in one gallon of water. Use the conversion table and formulas below to determine the amount of Maxthor SC to add to any quantity of water.

Mixing Table for Maxthor SC for Structural Pests

<table>
<thead>
<tr>
<th>% to mix</th>
<th>Fluid ounces to add per gallon to mix this %</th>
<th>Teaspoons to add per gallon to mix this %</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.01</td>
<td>0.156</td>
<td>1</td>
</tr>
<tr>
<td>0.02</td>
<td>0.333</td>
<td>2</td>
</tr>
<tr>
<td>0.03</td>
<td>0.500</td>
<td>3</td>
</tr>
<tr>
<td>0.04</td>
<td>0.666</td>
<td>4</td>
</tr>
<tr>
<td>0.05</td>
<td>0.833</td>
<td>5</td>
</tr>
<tr>
<td>0.06</td>
<td>1.000</td>
<td>6</td>
</tr>
</tbody>
</table>

29.57 milliliters = 2 tablespoons = 6 teaspoons = 1 fluid ounce
Control of Specific Structural Pests Indoors
Cockroaches, Crickets, Firebrats, Scorpiions, Silverfish, Spiders, and Ticks: Apply wherever these pests may hide, enter the structure or congregate such as cracks and crevices, basements, water pipe openings, around doors and windows, behind and under cabinets and appliances, and with in storage areas. Spray to bedding areas, blankets, pillows, mattresses or clothes. Remove all clothes and other articles from dressers or dressers before application within. Not recommended for use as a sole control agent against bedbugs. If evidence of bedbugs is found on or in mattresses, use approved products appropriate for the application in this line.

Boxelder Bug, Centipedes, Earwigs, Beetles, Millipedes, Pillbugs, and Sowbugs: Apply to points of pest entry into structure such as around windows and doors. Apply anywhere else pests may congregate or be located.

Bed bugs, Ticks, Mites, and Yellow-Jackets: Apply solution to hiding and breeding places, contacting as many insects as possible. Best results are achieved when application is made in the evening when insects are all resting and avoid spray. Spray to the pot of saturation. Spray as many insects as possible. Remove and destroy treated nests to prevent emergence of newly hatched insects.

Ants (Nuisance ants other than Carpenter Ants) Indoors: To achieve the highest level of control, locate and destroy nests and water sources, drill or treat soil, and treat areas around doors and windows and at points where ants can be expected to forage or congregate.

Perimeter Band Treatment
Perimeter Band Treatment
To help prevent pest infestation of structures, create a treated zone or band on the structure, soil and vegetation around the entire perimeter of a structure. Apply spray to all surfaces within a band beginning it to 10 feet from the exterior foundation of the structure that extends back to the structure and then continues 2 to 3 feet up the exterior surface of the structure from the ground. Application volume will depend upon the nature of the surface being treated. Mulch areas, for example, require more volume and hard surface areas require less.

Control of Specific Structural Pests Outdoors
Ants: To achieve the highest level of control, locate and destroy nests and water sources, drill or treat soil, and treat areas around doors and windows and at points where ants can be expected to forage or congregate.

For Ant (including Fire Ant) Mounds: Treat mounds and areas within a 2 foot radius of the center of the mound with 1/2 gallon of a 0.05% solution. When mounds exceed 12 inches in size use the highest volume of solution. Applications in cool weather (55 to 68 degrees F) or the cooler parts of the day are most effective. Do not apply treatment during the heat of the day.

Bees, Wasps, Hornets, and Yellow Jackets: Always use the highest rate. Make application in late evening when insects are at rest as the best results and to avoid stings. Spray nest openings in ground, in bushes and wherever insects may be resting. Spray to the point of saturation. Spray as many insects as possible. Remove and destroy treated nests to prevent emergence of newly hatched insects.

Boxelder Bug: Apply directly to where insects have congregated at points of entry. It may be necessary to treat twice.

Centipedes, Earwigs, Bees, Millipedes, Pillbugs, Sowbugs: Thoroughly treat mulch areas. The reduction of molecr in mulch areas may also aid in control of these pests.

Mow sidewalks and driveways, avoid blanketing, under decks and to building foundations. Refer to APPLICATIONS FOR ORNAMENTAL PEST CONTROL section for general and apply large amounts of solution against moles, moles.

Rats and Trees: Treat the entire area where insects could be present. Begin treatment in the spring. Insects may be re-introduced by host animals in the surrounding area. Treatment may be necessary to achieve and maintain control during periods of high pest pressure.

CONTROL OF STRUCTURAL PESTS WITHIN FOOD/FEED AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS
Food/feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. This includes areas for receiving, storing, packing (carrying, bottling, wrapping, boxing) food. Also include areas of edible waste storage and analysed processing systems (mills, distilleries, edible oils, syrups) of food. Serving areas where food is exposed and the facility is in operation are also considered food areas.

Application Location
Application Location
Apply treatments both on food/feed and nonfood areas of food/feed handling establishments.

Application Methods
Application Methods
Maxother SC can be applied within food/feed handling establishments in the form of a general surface, spot or crack and crevice spray.

General Surface Application
Do not use this application method when facility is in use or when foods are exposed. Do not apply solution directly to food. Cover or remove all food processing and handling equipment before application. Application in areas where food is commercially prepared or processed, wash all equipment, benches, shelves, serving surfaces which food will come into contact with thoroughly with warm, clean water. Clean food processing or processing equipment and thoroughly rinse with clean, fresh water.

Spot and Crack and Crevice Application
Spot or crack and crevice applications may be made while the facility is in operation. Food should be covered or removed from area being treated. Do not apply directly to food or food handling surfaces.

ATTENTION
ATTENTION
Remove or cover and disconnect aquariums during application. Do not apply a broadcast application to interior surfaces of living areas. Do not apply to pets, crops, sources of electricity or firewood. During any application to overhead areas of structures, cover surfaces below with plastic sheeting or similar material, except for soil surfaces in crawlspaces.

Weed protection clothing, unworn gloves, goggles, and respirator when making an overhead application or when applying in poorly ventilated indoor areas.

Do not allow dripping or runoff to occur during indoor applications.

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

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

Do not allow people or pets to touch or walk on treated surfaces until spray has dried.

Do not apply this product in human nursing or patient rooms or in any rooms while occupied by the elderly or infants.

Do not apply in classrooms when they are in use.

Do not apply when occupants are present in the immediate area in institutions such as health care facilities, libraries, schools, offices, etc.

Do not apply in livestock buildings such as barns.

Maxother SC will not stain or damage any surface that water alone will not stain or damage.

IMPORTANT READ BEFORE USE
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