


81824-6

04/21/2006

1/8

 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 1200 Pennsylvania Avenue, N.W. Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <u>X</u> Registration ___ Reregistration</p> <p>(Under FIFRA as amended)</p>	EPA Reg. Number: 81824-6	Date of Issuance: APR 21 2006
	Term of Issuance: Conditional	
	Name of Pesticide Product: Maxxthor SC GC	

Name and Address of Registrant (include ZIP Code):
Ensystex II, Inc.
4110 136th St. NW
Gig Harbor, WA 98332

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A), since you agreed in your letter dated October 27, 2004 that:

1. You will submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. You will make the following label changes before you release the product for shipment:
 - a) Revise the EPA Registration Number to read "EPA Reg. No. 81824-6 ."
 - b) Add "such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyle chloride or viton" after "..... chemical resistant gloves" in the PPE statement.
 - c) Since this product is not subject to the WPS revise the PPE statements and precautions to read as follows:

"Personal Protective Equipment: During mixing and applying the product wear long-sleeved shirt and long pants, socks, shoes and waterproof gloves.

d) You can delete the statements beginning, Remove clothing immediately if pesticide get inside..... And ending wash thoroughly and change into clean clothing". Under precautionary statement.

Signature of Approving Official: <i>George T. LaRocca</i> George T. LaRocca, Product Manager (13), IB/RD (7505C)	Date: <i>April 21, 2006</i>
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2/8

3. Please submit three (3) copies of your final printed labeling before releasing the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact BeWanda Alexander of my team at (703) 305-7460.

3/8

RESTRICTED USE PESTICIDE
Toxic to Fish and Aquatic Organisms
 For retail sale to and use only by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicator's certification.



**ACCEPTED
 with COMMENTS
 in EPA Letter Dated
 APR 21 2006**
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under EPA Reg. No. 81824-X

MAXXTHOR SC GC

To control pests of turf and ornamentals on golf courses, lawns, parks, grounds, landscapes, recreational areas, athletic fields and on and around residential, commercial, industrial and public buildings.

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

*Cis isomers 97% minimum, trans isomers 3% maximum.
 EPA Reg. No. 81824-X EPA Est. 68850-NC-001
 Maxxthor SC GC contains 2/3 pounds active ingredient per gallon.

STOP – Read the label before use
KEEP OUT OF REACH OF CHILDREN
CAUTION

DO NOT USE THIS PRODUCT ON GOLF COURSES IN NASSAU COUNTY OR SUFFOLK COUNTY, NEW YORK

(PRECAUCION AL USUARIO: Si usted no puede leer o entender ingles, no use este producto hasta que la etiqueta 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.for-thor.com.

NET CONTENTS

ENSYSTEX II, Inc.

Fayetteville, NC 28303

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • 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 by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • 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 center or doctor for further treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so 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, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Personal Protective Equipment: All pesticide handlers (mixers, loaders and applicators) must wear long-sleeved shirt and long pants, socks and shoes. Mixers and loaders must wear protective eyewear and chemical resistant gloves. Applicators should wear waterproof gloves.

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and run-off

from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

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.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply by aircraft or through an irrigation or chemigation system. Do not allow spray to drift onto ponds, streams or lakes. Not for use on sod farms, nurseries or inside commercial green houses. Do not apply inside livestock barns.

During any year do not apply at a site more than 0.2 pounds active ingredient (40 fluid ounces Maxxthor SC GC) per acre. Do not apply during a single application more than 0.1 pounds active ingredient (20 fluid ounces Maxxthor SC GC) per acre except, when treating widespread ant or mole cricket infestations, a single application of 0.2 pounds active ingredient (40 fluid ounces Maxxthor SC GC) per acre can be made.

STORAGE AND DISPOSAL

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

Pesticide Storage: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess 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.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray 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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture 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 dike around spill and/or absorb spill with absorbent materials, such as sand, cat or clay. Place damaged package in a holding container and identify contents. Contact Ensysyex II at 1-866-367-8467 or Chemtrec at 1-800-424-9300 for any assistance.

Application Use Rates Conversion

Use rates for Maxxthor SC GC are stated in three different ways:

Pounds active ingredient per acre

Fluid ounces of Maxxthor SC GC per acre

Fluid ounces of Maxxthor SC GC per 1000 square feet.

Application Use Rate Conversion

Use the following formulas to convert between the three Maxxthor SC GC use rates.

If you know pounds active ingredient you want to apply and you want to calculate the fluid ounces of Maxxthor SC GC that contains this amount of active ingredient:

$$\text{Fluid ounces Maxxthor SC GC} = \text{Pounds active ingredient} \times 192$$

If you want to know the pounds active ingredient in any amount of Maxxthor SC GC:

$$\text{Pounds active ingredient} = \text{Fluid ounces Maxxthor SC GC} / 192$$

If you want to convert between fluid ounces per 1000 square feet and fluid ounces per acre (or vice versa):

$$\text{Fluid ounces Maxxthor SC GC per 1000 square feet} = \text{Fluid ounces Maxxthor SC GC per acre} / 43.56$$

$$\text{Fluid ounces Maxxthor SC GC per acre} = \text{Fluid ounces Maxxthor SC GC per 1000 square feet} \times 43.56$$

APPLICATION FOR TURF PESTS

Maxxthor SC GC controls a wide range of turfgrass insect and mite pests. Maxxthor SC GC is not for use on turfgrass grown for sale, commercial seed production, for other commercial use or for research.

Application Sites

Permitted sites include golf courses, lawns, parks, grounds, landscapes, recreational areas, athletic fields and on and around residential, commercial, industrial and public buildings. **New York State only: Do not apply Maxxthor SC GC containing solutions to grass or turf within 100 feet of a body of water (lake, pond, river, stream, wetland or drainage ditch).**

Application Precautions and Preparations

Do not allow people or pets on treated surfaces until the spray has dried. Do not touch treated surface until dry.

Do not apply when the wind velocity (including gusts) exceeds 10 miles per hour or when the wind direction favors drift of this product onto a body of water.

Do not apply to water logged turf or to areas of soil that are water saturated.

Do not apply within 25 feet of a body of water.

Do not apply when a temperature inversion exists.

Do not make an application intended to control surface feeding pests if rain is forecast within 12 hours of the intended application completion time (or alternately, if rain is forecast between the intended application completion time and the time the application would be expected to have 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.

Maxxthor SC GC 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 and Equipment

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.

When applying to turf, apply with ground application equipment only. Use the largest nozzle size that still provides adequate coverage. Application nozzles should be within two feet of the ground during discharge of the solution.

Reapplication

Reapplications may be necessary particularly in the event of high pest pressure. Reapply as needed based on pest reinfestation however do not exceed the pounds active ingredient per acre yearly application limits. **New York State only: Do make a single reapplication of Maxxthor SC GC if there is renewed insect activity, but not sooner than two weeks after first application.**

Turf Application Use Rates and Volumes

Use rates for Maxxthor SC GC for turf pests are stated in fluid ounces of Maxxthor SC GC per 1000 square feet and fluid ounces of Maxxthor SC GC per acre.

Apply Maxxthor SC GC at 0.25 to 1.0 fluid ounces per 1000 square feet (10 to 40 fluid ounces per acre) depending on the use rate(s) for the target pest. Recommended rates for specific pests within this range are given below.

During any year do not apply at a site more than 0.2 pounds active ingredient (40 fluid ounces Maxxthor SC GC) per acre. Do not apply a single application more than 0.1 pounds active ingredient (20 fluid ounces Maxxthor SC GC) per acre except, when treating widespread ant or mole cricket infestations, a single application of 0.2 pounds active ingredient (40 fluid ounces Maxxthor SC GC) per acre can be made per year.

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 mole crickets 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 Maxxthor SC GC can be applied in any volume of water as long as the maximum label rates are 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 in excess of the maximum label rate.

Turf 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 0.5 fluid ounce of Maxxthor SC GC per 1000 square feet (20 fluid ounces per acre) can be used to control any of the listed pests. Use the higher application rates when maximum residual control is needed.

Use Rate	Pounds active ingredient per acre	Ounces Maxxthor SC GC per acre	Ounces Maxxthor SC GC per 1000 sq. feet
A	0.05	10.0	0.25
B	0.05⇒0.10	10⇒20	0.25⇒0.50
C	0.10	20	0.50
D	0.20	40	1.0

Turf Pests Grouped by Use Rates

Use Rate A: Armyworms, Cutworms, Sod Webworms

Use Rate B: Annual Bluegrass or Hyperodes Weevil (Adult), Ants, Billbugs (Adult), Black Turfgrass Atanius (Adult), Centipede, Chinch Bug, Cricket, Earwigs, Fleas (Adult), Grasshoppers, Leafhoppers, Mealybugs, Millipedes, Mites, Mole Cricket (Nymph and Adult), Pillbugs, Sowbugs

Use Rate C: Fleas (Larvae), Imported Fire Ant, Japanese Beetle (Adult), Mole Cricket, Ticks

Use Rate D: Ants, Imported Fire Ant, Mole Cricket (Nymph and Adult). This use rate applicable only when infestations are widespread

Application Volume: Gallons/ 1000 sq. ft.	Use Rate: Pounds AI per Acre	Use these amounts of Maxxthor SC GC (fluid ounces) diluted to these volumes (gallons) of finished spray		
		10 gal.	25 gal.	100 gal.
0.5	0.05	5.0	12.5	50.0
	0.1	10.0	25.0	100.0
	0.2	20.0	50.0	200.0
1	0.05	2.5	6.25	25.0
	0.1	5.0	12.5	50.0
	0.2	10.0	25.0	100.0
2.3 (100 gallons per acre)	0.05	1.1	5.4	10.9
	0.1	2.2	10.9	21.7
	0.2	4.4	21.7	43.5

Calculating Amounts of Maxxthor SC GC to Mix for Turf Pests

Determine any amount of Maxxthor SC GC to mix and apply for turf pests as follows:

Calculate for an area measured in square feet

A = Square feet of area to be treated / 1000 (5,500 sq. ft. / 1000 = 5.5)

B = Use Rate for the target pest(s) in fluid ounces Maxxthor SC GC per 1000 square feet taken from the Use Rate Table. If treating for more than one type of pest, select the highest rate.

Calculate the amount of Maxxthor SC GC to mix for turf pests as follows:

Fluid Ounces Maxxthor SC GC to use = A X B

Calculate for an area measured in acres

A = Number of acres to be treated

B = Use Rate for the target pest(s) in fluid ounces Maxxthor SC GC per acre taken from the Use Rate Table. If treating for more than one type of pest, select the highest rate.

Calculate the amount of Maxxthor SC GC to mix for turf pests as follows:

Fluid Ounces Maxxthor SC GC to use = A X B

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

% a. i. = (0.0617 X fluid oz. of Maxxthor SC GC added) / gallons of water in container

Application Recommendations Against Specific Turf Pests

Annual Bluegrass or Hyperodes Weevil (Adult): Consult your Cooperative Extension Service for advice on application timing in your area.

Armyworms, Cutworms, Sod Webworms: 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 on 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.

6/8

Imported Fire Ant: Combine broadcast treatments to control newly invading ants and mound treatments to eliminate existing ant colonies. Treat mounds according to the *Application for Structural Pests 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, water before treatment also to 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 nymphs 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

Maxxthor SC GC 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. Maxxthor SC GC 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. Permitted sites include golf courses, ornamental gardens, parks, grounds, landscapes and interior plantscapes on and around residential, commercial, industrial and public buildings.

Application Precautions and Preparations

Do not allow people or pets on treated surfaces until the spray has dried. Do not touch treated surface until dry.

Do not apply when the wind velocity (including gusts) exceeds 10 miles per hour or when the wind direction favors drift of this product onto a body of water.

Do not apply within 25 feet of a body of water.

Do not apply when a temperature inversion exists.

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 application of solution to large numbers of that type of plant.

Maxxthor SC GC 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 as a full coverage foliar spray. 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 life stage.

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.

Ornamental Application Use Rates and Volumes

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

Recommended ornamental application use rates based on the target pest, range between 0.125 to 1.0 fluid ounce of Maxxthor SC GC per 1,000 square feet. 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 Maxxthor SC GC 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 underdosing will not result in an application rate per 1000 square feet in excess of the maximum label rate. Typical application volume is 100 gallons per acre.

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 Maxxthor SC GC 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.

Use Rate Table for Maxxthor SC GC for Ornamental Applications	
Use Rate	Fluid ounces Maxxthor SC GC per 1,000 square feet (Range)
A	0.125⇒0.250
B	0.250⇒0.500
C	0.500⇒1.000

Ornamental Pests Grouped by Use Rates

Use Rate A: Aphids, Bagworms, Cutworms, Elm Leaf Beetle, Fall Webworm, Lace Bug, Leaf Feeding Caterpillar, Plant Bugs (*Lygus spp.*) Tent Caterpillar

Use Rate B: Beet Armyworm, Black Vine Weevil (Adult), Brown Soft Scale, Broad Mite, Budworms, California Red Scale (Crawler), Centipedes, Citrus Thrip, Clover Mite, Crickets, Diaprepes (Adult), Earwig, European Red Mite, Flea Beetles, Fungus Gnat (Adult), Grasshoppers, Gypsy Moth Caterpillar, Leafhoppers, Leafrollers, Mealybugs, Millipedes, Mites, Orchid Weevil, Pillbugs, Pine Needle Scale (Crawlers), San Jose Scale (Crawlers), Sowbugs, Spider Mites, Spiders, Thrips, Tip Moth, Twig Borers, Wasps, Weevils, Whiteflies

Use Rate C: Ants, Imported Fire Ant, Japanese Beetle (Adult), Leafminers, Pecan Leaf Scorch Mite, Pine Shoot Beetle (Adults)

Mixing Table for Maxxthor SC GC for Ornamental Applications				
Application Volume: Gallons/ 1000 sq. ft.	Use Rate: Fluid oz. / 1000 sq. ft.	Use these amounts of Maxxthor SC GC diluted to these volumes of finished spray		
		5 gal.	10 gal.	25 gal.
2	0.125	0.31	0.63	1.56
	0.250	0.63	1.25	3.13
	0.500	1.25	2.50	6.25
	1.000	2.50	5.00	12.50
5	0.125	0.13	0.25	0.63
	0.250	0.25	0.50	1.25
	0.500	0.50	1.00	2.50
	1.000	1.00	2.00	5.00
10	0.125	--	0.13	0.31
	0.250	--	0.25	0.63
	0.500	--	0.50	1.25
	1.000	--	1.00	2.50

Calculating Amounts of Maxxthor SC GC to Mix for Ornamental Pests

To mix and apply any amount of Maxxthor SC GC 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 Maxxthor SC GC taken from the Use Rate Table. If treating for more than one pest, select the highest rate.

Calculate the amount of Maxxthor SC GC to mix for ornamental pests as follows:

Fluid Ounces Maxxthor SC GC to use = A X B

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

% a. i. = (0.0617 X fluid oz. of Maxxthor SC GC added) / gallons of water in container

Application Recommendations Against Specific Ornamental Pests

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

APPLICATION FOR STRUCTURAL PESTS OUTSIDE AND AROUND STRUCTURES

Maxxthor SC GC controls a wide range of structural pests including nuisance pests outside of structures. Maxxthor SC GC can be applied on or around any type of residential, commercial, industrial or public structure or building. Permitted sites include the exterior of homes, apartments, office buildings, industrial buildings and stores.

Dilution of Maxxthor SC GC for Structural Pests

For structural pests, use rates for Maxxthor SC GC are expressed and mixed according to the percentage (%) concentration solution it forms when mixed in water. Each 0.166 fluid ounce (1 teaspoon) of Maxxthor SC GC that is added to one gallon of water increases the concentration of Maxxthor SC GC in that one gallon of water by 0.01%. For example, to make a 0.06% solution in one gallon of water, mix 1 fluid ounce (6 teaspoons) of Maxxthor SC GC in one gallon of water. Use the conversion table and formulas below to determine the amount of Maxxthor SC GC to add to any quantity of water.

Mixing Table for Maxxthor SC GC for Structural Pests		
% to mix	Fluid ounces to add per gallon to mix this %	Teaspoons to add per gallon to mix this %
0.03	0.500	3
0.04	0.666	4
0.05	0.833	5
0.06	1.000	6

29.57 milliliters = 2 tablespoons = 6 teaspoons = 1 Fluid ounce

Calculating Amount of Maxxthor SC GC to Mix for Structural Pests

Calculate the amount of Maxxthor SC GC to mix for structural pests as follows:

A = Volume of water, in gallons, into which the Maxxthor SC GC will be mixed. Express any partial gallons as decimal fractions (1/2 = .5)

B = Fluid ounces (or tablespoons) Maxxthor SC GC per gallon from Mixing Table. Select the desired % concentration based on the site of application and the pest(s) to be controlled. Read across to find amount of Maxxthor SC GC to add per gallon in fluid ounces or teaspoons.

Fluid ounces (or teaspoons) Maxxthor SC GC to mix = A X B

Mix this amount of Maxxthor SC GC in the predetermined amount of water (A). Food utensils such as teaspoons and measuring cups should not be used for food purposes after use with pesticides.

Pests Controlled

Ants (including Fire Ant), Bees, Biting Flies, Boxelder Bug, Centipedes, Crickets, Earwigs, Elm Leaf Beetle, Firebrats, Fleas, Flies, Millipedes, Mosquitoes, Pillbugs, Roaches (including Cockroaches), Silverfish, Sowbugs, Spiders, Ticks (including Brown Dog Tick) and Wasps.

Application Methods

Apply Maxxthor SC GC as a solution in the form of a general surface, spot, crack and crevice, pinstream or coarse spray. Do not apply as a space spray.

Application Use Rates and Volumes

Use a 0.03% to 0.06% solution of Maxxthor SC GC. Use a spray volume of up to 10 gallons of solution per 1,000 square feet. Higher application volumes may be used if necessary to sufficiently wet vegetation and landscaping with the spray solution.

Re-Application

Treatments should not be repeated more often than once every 7 days. The best efficacy and longest residual control is achieved when the highest concentration is used.

Application Locations

Apply spray to the exterior surfaces of structures and to grounds, lawns, landscaping, plants and hard surface areas adjacent to structures. Can also be applied to any areas where pests congregate or have been seen.

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 solution to all surfaces within a band beginning 6 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 requiring less.

Control of Specific Structural Pests Outdoors

Ants (Nuisance ants other than Carpenter Ants) Outdoors: To achieve the highest level of control, locate and directly treat ant nests. Apply solution to ant trails, 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 area within a 2 foot radius of the center of the mound with 1-2 gallons of a 0.06% solution. When mounds exceed 12 inches in size use the highest volume of solution. Applications in cool weather (65 to 80 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 at the nest for best results and to avoid stings. Spray nest openings in ground, in bushes and wherever insects may be nesting. 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 also treat trees.

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

Mosquitoes: Apply solution to lawns and landscaping, under decks and to building foundations. Refer to APPLICATIONS FOR ORNAMENTAL PESTS section for mixing and applying large amounts of solution against mosquitoes.

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

IMPREGNATION OF MAXXTHOR SC GC ON DRY BULK FERTILIZERS

For convenience, Maxxthor SC GC may be impregnated on dry bulk fertilizers. Maxxthor SC GC should be proportionally mixed into the fertilizer such that when the fertilizer is applied, the amount of Maxxthor SC GC active ingredient delivered per unit of area using this method is identical to that achieved when Maxxthor SC GC is applied mixed in water.

Impregnation: Use at least 100 pounds of fertilizer to deliver Maxxthor SC to each acre of treated area. Impregnate Maxxthor SC GC into the fertilizer using a method proven to distribute a liquid solution evenly throughout a dry bulk substance such as a rotary mixer equipped with a spray apparatus designed to uniformly apply a liquid evenly to a tumbling mass.

Choose the fertilizer to mix with Maxxthor SC GC based on local turf fertilizer requirements. There may be differences in the capacity of fertilizers to absorb the amount of liquid necessary to deliver the Maxxthor SC GC to the fertilizer. When the fertilizer can absorb all of the liquid, no additional precautions are needed to obtain a satisfactory dry mixture. If the absorptive capacity of the chosen fertilizer is insufficient to absorb the amount of water needed to correctly mix the Maxxthor SC GC with the fertilizer and remain dry, the excess moisture may be removed by mixing a highly absorptive powder (such as Microcel E made by the John Mansville Corporation) into the fertilizer at a rate of 2% of the weight of the fertilizer or less. **DO NOT** impregnate straight coated ammonium nitrate or straight limestone with Maxxthor SC GC as these materials will not absorb the insecticide. However, dry fertilizer blends that contain mixtures of these ingredients may be impregnated with Maxxthor SC GC.

Bulk fertilizer impregnated with Maxxthor SC GC should be applied immediately, not stored. All individual Federal and State regulations relating to the blending, labeling and use of fertilizer mixtures should be followed and no directions contained here should be interpreted as a waiver of these requirements.

IMPORTANT READ BEFORE USE

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