

81824-6

8/18/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

AUG 18 2010

Mr. Ross Gilbert
Ensystem II, Inc
c/o Pyxis Regulatory Consulting, Inc.
4110 136th Street, NW
Gig Harbor, WA 98332

Subject: Label Notification(s) for Pesticide Registration 98-10

Dear Mr. Gilbert:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated for June 17, 2010

EPA Registration Number: 81824-6 MAX^{*}THOR SC GC

The Registration Division (RD) has conducted a review of this request for applicability Under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact Melody Banks on 703 305-5413.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark E. Surez".

Mark Surez
Product Manager 13
Insecticide Branch
Registration Division (7504P)



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 81824-6	2. EPA Product Manager R. Gebken	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) Ensysstex II, Inc / Maxxthor SC GC	PM# 10	
5. Name and Address of Applicant (Include ZIP Code) Ensysstex II, Inc c/o Pyxis Regulatory Consulting, Inc. 4110 136th St. NW Gig Harbor, WA 98332 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

AUG 18 2010

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of label change per June 4, 2009, letter from Environmental Protection Agency. This notification is consistent with the guidance in the June 4, 2009 letter and the requirements of EPA's regulations at 40 CFR part 156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR part 156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 3/4 gallon, 1 gallon, 5 gallons		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled <input type="checkbox"/> Other					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Ross Gilbert	Title Agent	Telephone No. (Include Area Code) (253) 853-7369
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Agent	
4. Typed Name Ross Gilbert	5. Date 5/18/10	

PYXIS REGULATORY CONSULTING, INC.

4110 136th St. NW
Gig Harbor, WA 98332

Phone: 253-853-7369
Fax: 253-853-5516
www.PyxisRC.com

May 18, 2010

COURIER DELIVERY

Richard Gebken (PM 10)
Document Processing Desk (**NOTIF-PYRETHROID**)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

RE: Ensystem II, Inc. – Maxthor SC GC (EPA Reg. No. 81824-6)
Revision to Environmental Hazards and Directions for Use per Environmental Hazard and
General Labeling for Pyrethroid Non-Agricultural Outdoor Products Notification EPA letter
dated June 4, 2009

Dear Mr. Gebken,

On behalf of Ensystem II, Inc. please find the enclosed label notification revising the environmental
hazards language and directions for use for Maxthor SC GC per EPA's letter dated June 4, 2009.

In support of this notification submission, we submit the following documents:

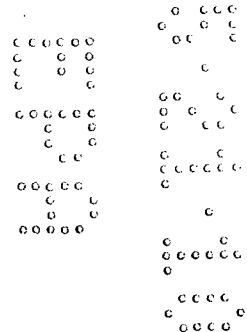
1. Completed Application for Registration (EPA Form 8570-1)
2. One (1) copy of the Maxthor SC GC labeling with changes tracked
3. One (1) copy of the Maxthor SC GC labeling with changes incorporated
4. Certification with Respect to Label Integrity
5. One (1) copy of the Maxthor SC GC labeling on CD
6. Letter of Authorization

Please contact me by phone (253) 853-7369 or by email at Ross@PyxisRC.com if you have any questions
or need any additional information.

Sincerely,



Ross Gilbert



Enclosures

cc: D. Nimocks; Ensystem II, Inc.

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.



NOTIFICATION
AUG 18 2010

MAXTHOR 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. 81824-6 EPA Est. 68850-NC-001
 Maxthor 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.

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

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 Maxthor SC GC) per acre. Do not apply during a single application more than 0.1 pounds active ingredient (20 fluid ounces Maxthor 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 Maxthor SC GC) per acre can be made.

Do not water the treated area to the point of run-off.

Do not make applications during rain.

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- (1) Treatment to soil or vegetation around structures;
- (2) Applications to lawns, turf, and other vegetation;
- (3) Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to spot and crack-and-crevice applications, only.

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.

litter or clay. Place damaged package in a holding container and identify contents. Contact Ensystem II at 1-866-367-8467 or Chemtrec at 1-800-424-9300 for any assistance.

Application Use Rates Conversion

Use rates for Maxthor SC GC are stated in three different ways:
Pounds active ingredient per acre
Fluid ounces of Maxthor SC GC per acre
Fluid ounces of Maxthor SC GC per 1000 square feet.

STORAGE AND DISPOSAL

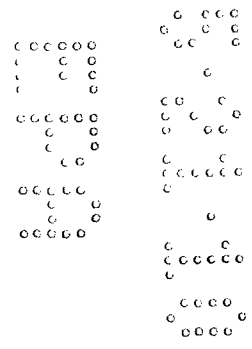
Do not contaminate water, food or feed by storage or disposal.

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: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into 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 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 area and/or absorb spill with absorbent materials, such as sand, cat



Application Use Rate Conversion

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

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

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

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

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

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

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

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

APPLICATION FOR TURF PESTS

Maxthor SC GC controls a wide range of turfgrass insect and mite pests. Maxthor 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 Maxthor 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.

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

Apply Maxthor 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 Maxthor SC GC) per acre. Do not apply during a single application more than 0.1 pounds active ingredient (20 fluid ounces Maxthor 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 Maxthor 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 Maxthor 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 Maxthor 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 Table for Maxthor SC GC for Turf Applications			
Use Rate	Pounds active ingredient per acre	Ounces Maxthor SC GC per acre	Ounces Maxthor SC GC per 1000 sq. feet
A	0.05	10	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 Ataenius (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

Mixing Table for Maxthor SC GC for Turf Applications				
Application Volume: Gallons/ 1000 sq. ft.	Use Rate: Pounds AI per Acre	Use these amounts of Maxthor 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 Maxthor SC GC to Mix for Turf Pests

Determine any amount of Maxthor 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 Maxthor 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 Maxthor SC GC to mix for turf pests as follows:

Fluid Ounces Maxthor 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 Maxthor 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 Maxthor SC GC to mix for turf pests as follows:

Fluid Ounces Maxthor SC GC to use = A X B

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

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

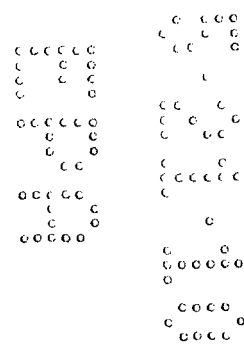
Application Recommendations Against Specific Turf Pests

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.



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

Maxthor SC GC controls a wide range of insects and mites on trees, scrubs, 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 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.

Maxthor 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 Maxthor SC GC for ornamental pests are stated in fluid ounces of Maxthor 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 Maxthor 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 Maxthor 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 Maxthor 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 Maxthor SC GC for Ornamental Applications	
Use Rate	Fluid ounces Maxthor 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 Maxthor SC GC for Ornamental Applications				
Application Volume: Gallons/ 1000 sq. ft.	Use Rate: Fluid oz. / 1000 sq. ft.	Use these amounts of Maxthor 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 Maxthor SC GC to Mix for Ornamental Pests

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

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

Fluid Ounces Maxthor SC GC to use = A X B

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

% a. i. = (0.0617 X fluid oz. of Maxthor SC GC 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.

APPLICATION FOR STRUCTURAL PESTS OUTSIDE AND AROUND STRUCTURES

Maxthor SC GC controls a wide range of structural pests including nuisance pests outside of structures. Maxthor 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 Maxthor SC GC for Structural Pests

For structural pests, use rates for Maxthor 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 Maxthor SC GC that is added to one gallon of water increases the concentration of Maxthor 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 Maxthor SC GC in one gallon of water. Use the conversion table and formulas below to determine the amount of Maxthor SC GC to add to any quantity of water.

Mixing Table for Maxthor 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 Maxthor SC GC to Mix for Structural Pests

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

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

B = Fluid ounces (or tablespoons) Maxthor 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 Maxthor SC GC to add per gallon in fluid ounces or teaspoons.

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

Mix this amount of Maxthor 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 Maxthor 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 Maxthor 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 MAXTHOR SC GC ON DRY BULK FERTILIZERS

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

Impregnation: Use at least 100 pounds of fertilizer to deliver Maxthor SC to each acre of treated area. Impregnate Maxthor 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 Maxthor 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 Maxthor 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 Maxthor 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 Maxthor SC GC as these materials will not absorb the insecticide. However, dry fertilizer blends that contain mixtures of these ingredients may be impregnated with Maxthor SC GC.

Bulk fertilizer impregnated with Maxthor 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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