

PM 03

10182-400

4/24/97

page 1 of 6

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0080. Approval expires 05-31-98

	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number 254678
	Application for Pesticide - Section I		

1. Company/Product Number 10182-400	2. EPA Product Manager G. LaRocca	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Scimitar GC	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Zeneca Inc. PO Box 15458 Wilmington DE 19850-5458 <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 _____

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


NOTIFICATION
APR 24 1997

Notification of new 1 oz container size

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 checked="" type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
		If "Yes" Package wgt.	No. per container	<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1 oz		5. Location of Label Directions <input type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input checked="" type="checkbox"/> Other <u>Booklet in plastic hanger</u>	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name S.K. Theodorakis	Title Regulatory Product Lead	Telephone No. (Include Area Code) 302-886-1223
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 (Stamp)
2. Signature 	3. Title Regulatory Product Lead	
4. Typed Name S.K. Theodorakis	5. Date 4/17/97	

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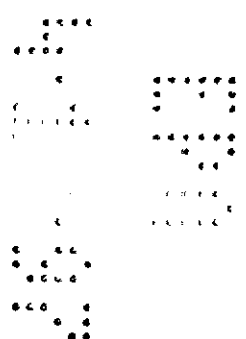
BOTTLE ART

RESTRICTED USE PESTICIDE

Due to toxicity 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.

<p style="text-align: center;">SCIMITAR GC® Insecticide</p> <p>ACTIVE INGREDIENT: Lambda-cyhalothrin* [1α(S*),3α(Z)]-(+)-cyano(3-phenoxyphenyl)methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropane-carboxylate 9.7%</p> <p>INERT INGREDIENTS: 90.3%</p> <p style="text-align: right;">TOTAL 100.0%</p> <p>*Synthetic pyrethroid. Contains 0.88 lbs active ingredient per gallon or 0.22 lbs. ai per quart.</p> <p>*Refer to the attached booklet for Precautionary Statements, Statement of Practical Treatment and Directions For Use (including Storage and Disposal directions).</p>	<p style="text-align: center;">ZENECA Professional Products ZENECA Inc. Wilmington, Delaware 19850-5458 EPA REG. NO. 10182-400 EPA EST. NO. 40849-GA-1</p> <p style="text-align: center;">NET CONTENTS: 1 FL. OZ. (30 ml)</p> <p style="text-align: center;">KEEP OUT OF REACH OF CHILDREN CAUTION</p>
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NOTIFICATION
APR 24 1991



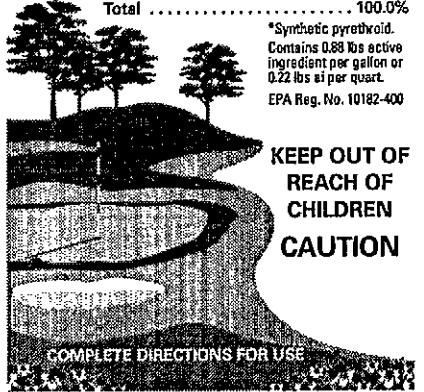
RESTRICTED USE PESTICIDE
 Due to Toxicity to Fish and Aquatic Organisms
 For retail sale to and use only by Certified
 Applicators or persons under their direct supervi-
 sion, and only for those uses covered by the
 Certified Applicator's certification.

ZENECA Professional Products
Scimitar
 INSECTICIDE GC

**FOR USE TO CONTROL INSECT PESTS ON GOLF COURSES AND
 ON ORNAMENTALS AND LAWNS IN LANDSCAPED AREAS
 AROUND RESIDENTIAL, INSTITUTIONAL, PUBLIC,
 COMMERCIAL AND INDUSTRIAL BUILDINGS,
 PARKS, RECREATIONAL AREAS, GOLF COURSES
 AND ATHLETIC FIELDS**

ACTIVE INGREDIENT:
 Lambda-cyhalothrin*
 [1α(S*),3α(Z)]-(±)-cyano(3-phenoxyphenyl)-
 methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-
 2,2-dimethylcyclopropanecarboxylate 9.7%
INERT INGREDIENTS: 90.3%
 Total 100.0%

*Synthetic pyrethroid.
 Contains 0.88 lbs active
 ingredient per gallon or
 0.22 lbs ai per quart.
 EPA Reg. No. 10182-400



**CONDITIONS OF SALE
 AND LIMITATION OF WARRANTY AND LIABILITY**

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ZENECA or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ZENECA and Seller harmless for any claims relating to such factors.

ZENECA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or ZENECA, and Buyer and User assume the risk of any such use. ZENECA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall ZENECA or Seller be liable for any incidental, consequential, or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ZENECA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ZENECA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

ZENECA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of ZENECA.

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STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF SWALLOWED: If victim is alert and not convulsing, rinse mouth out and give 200-300 mL (1 cup) of water to dilute material. Immediately contact local Poison Control Center. Vomiting should only be induced under the direction of a physician or Poison Control Center. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Immediately transport victim to an emergency facility.

IF IN EYES: Flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

HARMFUL IF ABSORBED THROUGH SKIN. PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC SKIN REACTIONS IN SOME INDIVIDUALS. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist or vapors. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish. Do not contaminate water when disposing of equipment washwaters. 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 runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Apply this product only as specified on this label. Care should be used when making applications to avoid household pets, particularly fish and reptile pets.

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.

Use of this pesticide adjacent to water may affect aquatic organisms. To protect these organisms, do not apply this pesticide within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.

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Do not make applications when wind speed is 15 miles per hour or greater.

Notify State and/or Federal authorities and ZENECA, Inc. immediately if you observe any adverse environmental effects due to the use of this product.

PHYSICAL AND CHEMICAL HAZARDS

Do not use this product in or on electrical equipment 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.

IMPORTANT: Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns or grounds.

SCIMITAR GC may be used for applications to maintain indoor or outdoor areas where turf and ornamentals are grown such as residential landscaped areas and non-residential landscapes around institutional, public, commercial and industrial buildings, parks, recreational areas, golf courses and athletic fields.

SCIMITAR GC may also be used for applications to golf course fairways, greens, greens aprons and tee areas. Not for use on sod farms or grass grown for seed.

IMPORTANT: Time application to flowering plants during periods when pollinating insects are not present, such as early morning or late evening.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

DO NOT APPLY THIS PRODUCT TO EDIBLE CROPS.

DO NOT APPLY THIS PRODUCT BY AERIAL APPLICATION.

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STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Keep container closed when not in use. Do not store near food or feed. Shake well before use. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste storage area until proper disposal can be made.

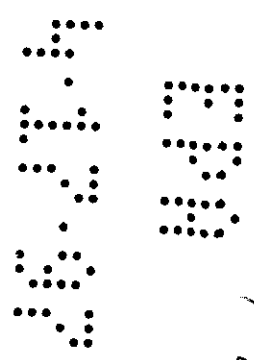
PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Completely empty container into application equipment, then offer for recycling or reconditioning, or puncture and dispose of empty container in a sanitary landfill, by incineration, or by other procedures approved by state and local authorities.

MIXING: SCIMITAR® GC insecticide is intended for dilution with water for spray application and may be used in all types of application equipment. Fill application tank with 1/2 to 3/4 volume of water. It is suggested that the water be 5 to 7 pH. Adjust water pH with a buffering agent if necessary. Slowly add SCIMITAR GC to applicator tank water with maximum agitation. If other chemicals are added to the applicator tank, SCIMITAR GC should be added last. Do not mix with EC formulations or oils. Fill tank to desired volume and continue to agitate while making applications. Shake or re-agitate application equipment before use if application is interrupted. Make up only amount of application volume as required.

COMPATIBILITY: SCIMITAR GC has been found to be compatible with all commonly used fungicides, miticides, liquid fertilizers, and other insecticides. Check physical compatibility using the correct proportion of products in a small jar if local experience is unavailable.

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Handwritten signature or initials, possibly 'J. L. A.', located in the bottom right corner of the page.

INSECT PESTS CONTROLLED IN ORNAMENTALS BY SCIMITAR GC INSECTICIDE

USE	PEST	AMOUNT OF SCIMITAR GC
ORNAMENTALS (Including Trees, Shrubs, Flowers, Evergreens, Foliage Plants and Groundcovers) IN RESIDENTIAL LANDSCAPED AREAS AND LANDSCAPED AREAS AROUND INSTITUTIONAL, PUBLIC, COMMERCIAL AND INDUSTRIAL BUILDINGS, PARKS, RECREATIONAL AREAS, GOLF COURSES, AND ATHLETIC FIELDS	Ants (Including Imported fire ants), Armyworms, Azalea caterpillars, Aphids, Bagworms, Black vine weevils (adult), Boxelder bugs, Budworms, California oakworms, Cankerworms, Cockroaches, Crickets, Cutworms, Eastern tent caterpillars, Elm leaf beetles, European sawflies, Fall webworms, Flea beetles, Forest tent caterpillars, Gypsy moth larvae, Japanese beetles (adults), June beetles (adults), Lace bugs, Leaf-feeding caterpillars, Leafhoppers, Leafminers (adults), Leaf rollers, Leaf skeletonizers, Midges, Mosquitoes, Oleander moth larvae, Pillbugs, Pine sawflies, Pine shoot beetles, Pinetip moths, Plant bugs, Root weevils, Sawflies, Scale insects (crawlers), Spiders, Spittlebugs, Striped beetles, Striped oakworms, Thrips, Tip moths, Tussock moth larvae, Wasps	1 fl oz/ 20 - 67 gals
	Broadmites, Brown soft-scales, California red-scales (crawler), Clover mites, Mealybugs, Pine-needle scales (crawler), Spider mites, Whiteflies	1 fl oz/ 20-33 gals

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Application to ornamentals should be started prior to the establishment of high insect pest populations. Make reapplications as necessary to keep pest populations under control, using higher rates as pest pressure increases.

Apply at 7-day intervals if treatment is necessary.

Do not apply more than 0.36 pounds of the active ingredient (52.4 fl oz of concentrate) per acre per year.

Good spray coverage is necessary to provide the most effective level of control. Addition of a spreader-sticker at recommended rates may enhance the control of insects on certain species of ornamentals having waxy, hard to wet foliage.

For spot treatments use 0.5 fl. oz. SCIMITAR GC per 1 to 2½ gallons of water.

Consult your state university or local Cooperative Extension Service office for specific pest control application timing in your area.

NOTE: While phytotoxicity testing has been carried out on a wide range of ornamental plants under various environmental conditions, and no phytotoxicity has been observed, certain cultivars may be sensitive to the final spray solution.

It is advised to prespray a selection of ornamental plants and observe them for 7 to 10 days prior to treating large areas if local use experience is unavailable.

Scale. Thoroughly cover the plant with SCIMITAR GC spray, including trunks, stems, twigs and foliage for control of scale insects.

Bagworm. Apply SCIMITAR GC when bagworm larvae begin to hatch. Spray directly on the larvae. Application is the most effective when the larvae are young.

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SCIMITAR GC MIXING CHART FOR ORNAMENTAL INSECT PEST CONTROL (SCIMITAR GC to add per spray tank)

Rate of SCIMITAR GC	25 Gallons	50 Gallons
1.5 oz.	0.4 oz.	0.8 oz.
3 oz.	0.8 oz.	

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INSECT PESTS CONTROLLED ON TURFGRASS BY SCIMITAR GC INSECTICIDE

USE	PEST	AMOUNT OF SCIMITAR GC
LAWNS AROUND RESIDENTIAL, INSTITUTIONAL, PUBLIC, COMMERCIAL AND INDUSTRIAL BUILDINGS, PARKS, RECREATIONAL AREAS, GOLF COURSES AND ATHLETIC FIELDS GOLF COURSE TURF	Ants (Including Imported fire ants), Armyworms, Centipedes, Crickets, Cutworms, Earwigs, Fleas (adult), Grasshoppers, Japanese beetles (adult), Millipedes, Mites, Pillbugs, Sod webworms, Sow bugs, Ticks (including species which transmit Lyme disease)	0.12 to 0.24 oz/ 1000 sq ft
	Bluegrass billbugs (adult), Black turfgrass ataenius (adult), Chinch bugs, Chiggers, Fleas (adult), Grub (suppression), Hyperodes waevila (adult), Mole crickets (nymphs and young adults)	0.24 oz/ 1000 sq ft
	Mole crickets (mature adults)	0.48 oz/ 1000 sq ft

Application to turf should be started prior to the establishment of high insect pest populations and significant turf damage. Make reapplications as necessary to keep pest populations under control, using higher rates as pest pressure increases.

Apply at 7-day intervals if treatment is necessary.

Do not apply more than 0.36 pounds of active ingredient (52.4 fl oz of concentrate) per acre per year.

For spot treatments use 0.5 fl. oz. of SCIMITAR GC per 1 to 2½ gallons of water.

Do not apply when turfgrass is waterlogged or when soils are saturated with water (i.e. will not accept irrigation).

Keep children and pets off treated areas until spray has dried following the application.

Surface Insect Control (armyworm, cutworms, fleas, etc.) For best results apply SCIMITAR GC at recommended rates in 2 to 5 gallons of water per 1,000 sq. ft. The use of a spreader-sticker may be useful if high rainfall amounts are forecast, otherwise the addition of adjuvants is not necessary under normal conditions for surface insect control in turf. Delay watering or mowing for 12 to 24 hours for optimum control of surface-feeding insect pests.

Thatch Inhabiting Insect Control (chinch bugs, billbugs, etc.) For best results apply SCIMITAR GC at recommended rates in 2 to 10 gallons of water per 1,000 sq. ft. The use of a non-ionic wetting agent, penetrant or similar adjuvant is recommended at label rates. Lightly irrigate after application with up to ½ inch of water to move the SCIMITAR GC into the thatch layer. If irrigation is not available, then use high water application rates for optimum results.

Subsurface Insect Control (mole crickets, grubs, etc.) For best results apply SCIMITAR GC at recommended rates in 4 to 10 gallons of water per 1,000 sq. ft. The use of a non-ionic wetting agent, penetrant or similar adjuvant is strongly recommended following label rates. Use the highest water application rates possible with your sprayer. Apply SCIMITAR GC to turf wet with dew, rain or irrigation. Water-in immediately after application with ¼ to ½ inch of water for optimum results.

Fire Ant Control Treat individual mounds with a drench application using a watering can. Use 0.5 fl. oz. of SCIMITAR GC per 2.5 gallons of water. Thoroughly soak each mound and a 3 foot radius circle around each mound. Gently apply the mixture to avoid disturbing the mound. Disturbing the mound may cause the ants to migrate and reduce the effectiveness of the treatment. For best results, apply in early morning or late evening hours. Make additional treatments as needed.

Mosquito Control Apply as a general spray around landscape plantings, turf, and building foundations to control mosquitoes. For best results apply SCIMITAR GC at recommended rates in 2 to 5 gallons of water per 1,000 sq. ft.

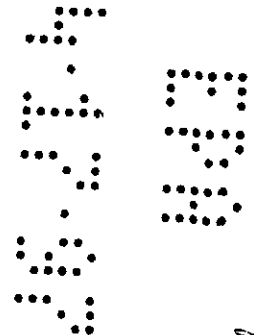
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ZENECA Professional Products

ZENECA Inc.
Wilmington, Delaware 19850-6468



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