



100-1078

10/29/2002

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

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OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

OCT 29 2002

Mr. John L. Hott, PhD  
Regulatory Product Manager  
Regulatory Affairs  
Syngenta Crop Protection  
P.O. Box 18300  
Greensboro, NC 27419-8300

Subject: Amendment - Revised Final Label  
Scimitar CS Insecticide  
EPA Registration No. 100-1078  
Your submission dated August 12, 2002

Dear Dr. Hott:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable, subject to the comments listed below. A stamped copy is enclosed for your records.

1. Revise your First Aid statements to read as specified in PR Notice 2001-1:

**IF SWALLOWED:** Call a 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 a poison control center or a doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center for treatment advice.

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

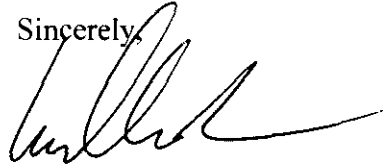
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-xxx-xxxx for emergency

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medical treatment information.

If you have any questions, please call Dr. William Sproat of my team at 703-308-8587.


Sincerely,



George T. LaRocca  
Product Manager 13  
Insecticide Branch  
Registration Division (7505C)

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PULL HERE TO OPEN



**Insecticide**

*For Use by Individuals/Firms Licensed or Registered by the State to Apply Pesticide Products. States May Have More Restrictive Requirements Regarding Qualifications of Persons Using This Product. Consult the Pest Control Regulatory Agency of Your State Prior to Use of This Product.*

*For Use to Control Insect Pests on Ornamentals and Lawns in Landscaped Areas Around Residential, Institutional, Public, Commercial and Industrial Buildings, Parks, Recreational Areas and Athletic Fields*

**Active Ingredient**  
 Lambda-cyhalothrin\*  
 [1-(S)-1-(2,7,8-tricyano-3-phenoxylphenyl)methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropane]carboxylate 9.7%

Inert Ingredients	90.3%
Total	100.0%


\*Synthetic pyrethroid  
 Contains 9.88 lb active ingredient per gallon or 0.22 lb active ingredient per quart.

**KEEP OUT OF REACH OF CHILDREN.  
 CAUTION**

*See additional precautionary statements and directions for use inside booklet*

EPA Reg. No. 100-1078      EPA Est. No. 61282-W9-1  
 Product of the United Kingdom  
 SCP 1078A-L1 0502  
 163324

1 pint  
 U.S. Standard Measure



**ACCEPTED  
 with COMMENTS  
 in EPA Letter Dated**

OCT 29 2002

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act  
 as amended, for the pesticide  
 registered under EPA Reg. No.  
100-1078

FIRST AID	
If on skin	<ul style="list-style-type: none"> <li>• Wash with plenty of soap and water.</li> <li>• Get medical attention if irritation persists.</li> </ul>
If swallowed	<ul style="list-style-type: none"> <li>• If victim is alert and not convulsing, rinse mouth out and give 200-300 ml. (1 cup) of water to dilute material.</li> <li>• Immediately contact your local poison control center.</li> <li>• Vomiting should only be induced under the direction of a physician or poison control center.</li> <li>• If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water.</li> <li>• Immediately transport victim to an emergency facility.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• Flush with plenty of water for at least 15 minutes.</li> <li>• Get medical attention if irritation persists.</li> </ul>
<p><b>HOT LINE NUMBER</b>            For 24 Hour Medical Emergency Assistance (Human or Animal)            Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident)            Call  <b>1-800-888-8372</b></p>	

**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 wash-water. 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 ft. of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds. In the state of New York, do not apply within 100 ft. of coastal marshes or streams that drain into coastal marshes.

Do not make applications when wind speed is 15 mph or greater.

Notify State and/or Federal authorities and Syngenta 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.

**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 SYNGENTA Crop Protection, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA 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 SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA 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 SYNGENTA 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 SYNGENTA 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 SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

**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 lawns or grounds.

Scimitar® CS 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 and athletic fields.

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

This product is restricted for use in New York State. Only for sale to, use and storage by certified applicators.

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.

## 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

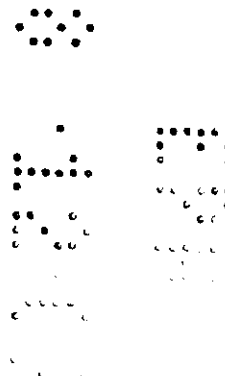
Triple rinse (or equivalent). Completely empty container into application equipment, then offer for recycling or reconditioning, or puncture and dispose of empty container in a sanitary landfill, by incineration, or by other procedures approved by state and local authorities.

## MIXING

Scimitar CS Insecticide is intended for dilution with water for spray application and may be used in all types of application equipment. Fill application tank with  $1/2 - 3/4$  volume of water. It is suggested that the water be 5 - 7 pH. Adjust water pH with a buffering agent if necessary. Slowly add Scimitar CS to applicator tank water with maximum agitation. If other chemicals are added to the applicator tank, Scimitar CS 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 reagitrate application equipment before use if application is interrupted. Make up only amount of application volume as required.

### Compatibility

Scimitar CS 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.



Use	Pest	Amount of Scimitar CS
Ornamentals in Residential Landscaped Areas and Landscaped Areas Around Institutional, Public, Commercial and Industrial Buildings, Parks, Recreational Areas, and Athletic Fields (Including Trees, Shrubs, Flowers, Evergreens, Foliage Plants and Groundcovers)	Ants (including Imported fire ants) Armyworms Azalea caterpillars Aphids Bagworms Black vine weevils (adult) Boxelder bugs Budworms California oakworms Cankerworms Cockroaches Crickets <b>Cutworms</b> 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	1.5 - 5 fl. oz / 100 gals. or 44 - 148 ml / 100 gals.
	Broadmites Brown softscale California redscale (crawler) Clover mites Mealybugs Pineneedlescale (crawler) Spider mites Whiteflies	3 - 5 fl. oz / 100 gals. or 88 - 148 ml / 100 gals.

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.

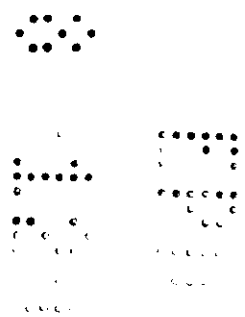
Do not apply more than 0.36 lbs. of the a.i. (52.4 fl. oz. of concentrate) per acre per year.

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 CS per 1 to 2½ gals. 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.



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

**Scale**

Thoroughly cover the plant with Scimitar CS spray, including trunks, stems, twigs and foliage for control of scale insects.

**Bagworm**

Apply Scimitar CS when bagworm larvae begin to hatch. Spray directly on the larvae. Application is the most effective when the larvae are young

**Scimitar CS Mixing Chart For Ornamental Insect Pest Control  
(Scimitar CS to add per spray tank)**

Rate of Scimitar CS	25 gals.	50 gals.	100 gals.	200 gals.	300 gals.
1.5 oz.	0.4 oz.	0.8 oz.	1.5 oz.	3.0 oz.	4.5 oz.
3 oz.	0.8 oz.	1.5 oz.	3.0 oz.	6.0 oz.	9.0 oz.
5 oz.	1.3 oz.	2.5 oz.	5.0 oz.	10.0 oz.	15.0 oz.

Use	Pest	Amount of Scimitar CS
Lawns around Residential, Institutional, Public, Commercial and Industrial Buildings, Parks, Recreational Areas and Athletic Fields	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)	3.4 - 7 ml./1000 sq. ft. or 5 - 10 fl. oz./A
	Bluegrass billbug (adult) Black turfgrass ataenius (adult) Chiggers Fleas (adult) Grubs (suppression) Hyperodes weevils (adult) Mole crickets (nymphs and young adults)	7 ml./1000 sq. ft. or 10 fl. oz./A
	Mole Crickets (mature adults) Chinch Bugs (Not for use on mature adult Mole Crickets and Chinch Bugs in New York state.)	14 ml./1000 sq. ft. or 20 fl. oz./A

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 lb. of a.i. (52.4 fl. oz. of concentrate) per acre per year.

For spot treatments use 0.5 fl. oz. of Scimitar CS per 1 to 2 1/2 gals. of water.

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

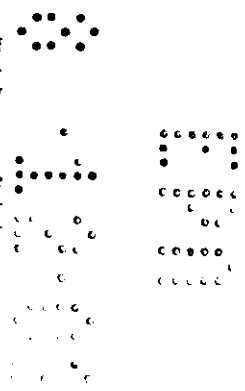
Keep children and pets off treated areas until spray has dried following the application.

**Surface Insect Control (armyworm, cutworms, fleas, etc.)**

For best results apply Scimitar CS at recommended rates in 2 - 5 gals. of water/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 - 24 hrs. for optimum control of surface-feeding insect pests.

**Thatch Inhabiting Insect Control (chinch bugs, billbugs, etc.)**

For best results apply Scimitar CS at recommended rates in 2 - 10 gals. of water/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 1/2 inch of water to move the Scimitar CS 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 CS at recommended rates in 4 - 10 gals. of water/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 CS to turf wet with dew, rain or irrigation. Water in immediately after application with 1/4 - 1/2 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 CS/2.5 gals. of water. Thoroughly soak each mound and a 3 ft. diameter 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 CS at recommended rates in 2 - 5 gals. of water/1,000 sq. ft.

**Scimitar CS Mixing Chart for Turf Insect Pest Control  
(Scimitar CS to add per 100 gal. spray tank)**

Rate of Scimitar CS	Application Rate Per 1,000 Sq. Ft. of Turf				
	2 gal.	4 gal.	6 gal.	8 gal.	10 gal.
5 oz./A	5.7 oz.	2.9 oz.	1.9 oz.	1.4 oz.	1.2 oz.
10 oz./A	11.5 oz.	5.7 oz.	3.8 oz.	2.9 oz.	2.3 oz.
20 oz./A	23.0 oz.	11.5 oz.	7.7 oz.	5.7 oz.	4.6 oz.

Conversion Rate: 1 fluid ounce (fl. oz.) equals 29 milliliters (ml).

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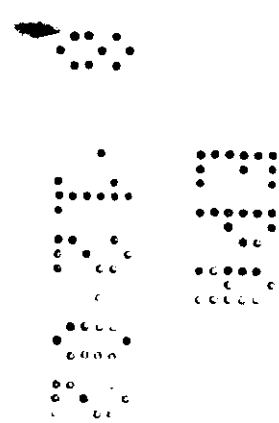
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For non-emergency (e.g., current product information) call Syngenta Crop Protection at 1-800-334-9481

Product of the United Kingdom

Syngenta Crop Protection, Inc.  
Greensboro, North Carolina 27409  
www.syngenta-us.com

SCP 1078A-L1 0502  
163324







# Scimitar<sup>®</sup> CS

## Insecticide

For Use by Individuals/Firms Licensed or Registered by the State to Apply Pesticide Products. States May Have More Restrictive Requirements Regarding Qualifications of Persons Using This Product. Consult the Pest Control Regulatory Agency of Your State Prior to Use of This Product.

For Use to Control Insect Pests on Ornamentals and Lawns in Landscaped Areas Around Residential, Institutional, Public, Commercial and Industrial Buildings, Parks, Recreational Areas and Athletic Fields.

**Active Ingredient:**

Lambda-cyhalothrin\*

[1-(S)-1,3-dimethyl-2-cyano-3-phenoxyphenyl)methyl-3-(2-(Moro-3,3,3-trifluoro-1-propenyl)-2,2-

dimethylcyclopropanecarboxylate 97%

Inert Ingredients 90.1%

Total 100.0%

\*Synthetic pyrethroid

Contains 0.88 lb. active ingredient per gallon or 0.22 lb active ingredient per quart

**KEEP OUT OF REACH OF CHILDREN.**

## CAUTION

See additional precautionary statements and directions for use in attached booklet.

EPA Reg. No. 100-1078 EPA Est. No. 61282-W6-1

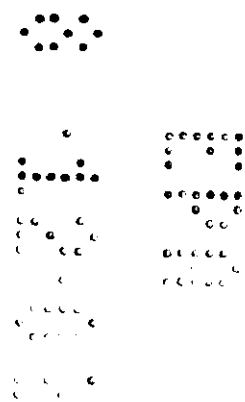
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SCP 1078A-L1 0502

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1 pint

U.S. Standard Measure



**FIRST AID**

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If swallowed: If victim is alert and not comatose, rinse mouth out and give 200-300 mL (1 cup) of water to dilute material. Immediately contact your 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.

**HOT LINE NUMBER:** For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call 1-888-888-8372.

**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.

Refer to Environmental Hazards, Physical and Chemical Hazards and Storage and Disposal sections in attached booklet.

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Syngenta Crop Protection, Inc.

Greensboro, North Carolina 27409

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