

Reg # 10182-96

PM-13

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

57054-29586  
18/61

NOV 12 1992

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Mr. Fred Pearson  
ICI Agricultural Products  
Wilmington, DE 19897

Dear Mr. Pearson:

Subject: Application For Renewal/Amendment of Conditional  
Registration(s)/Cotton Use Pyrethroids  
Ambush 25 W WSP Insecticide  
EPA Registration No. 10182-110  
Ambush 25 W Insecticide  
EPA Registration No. 10182-35  
Karate Insecticide  
EPA Registration No. 10182-96  
Karate CSO Insecticide  
EPA Registration No. 10182-331  
Your Applications Dated October 29, 1992

The Agency accepts your application for renewed/amended registration for purposes of extending the registration of the subject product(s). This renewal is being granted to allow EPA additional time to (1) complete its review of all relevant data associated with the registration of the subject product(s) on cotton (2) to assess environmental risk and (3) to make FIFRA Section 3(c)(5) or other appropriate regulatory decisions for cotton use pyrethroids.

Therefore in accordance with FIFRA Sections 3(c)(7)(B)(C) the conditional registration of the subject product(s) is/are extended for a period not to exceed November 15, 1993. We agree that this extension is subject to the following conditions:

- a. All products will continue to bear the labeling revisions for cotton use required per Agency letter dated November 15, 1990 (paragraphs 1 (a) thru (f)). Note that Fury™ should be added to the list of pyrethroids registered on cotton.
- b. Absent further Agency action these cotton registrations will automatically expire at midnight on November 15, 1993. Sale and distribution of the subject product(s) bearing labeling for use on cotton after November 15, 1993 will be illegal. The tolerance authorizing residues of the subject product on cotton will also expire automatically on November 15, 1994. It is understood

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that the expiration dates for products containing permethrin and lambdacyhalothrin referred to above applies to their use on cotton only and not other existing registered uses and/or tolerances.

- c. ICI Agricultural Products will submit product information (pounds or gallons produced) for these products for the fiscal year in which the use on cotton is conditionally registered in accordance with FIFRA Section 29. This fiscal year begins October 1 and ends September 30.

This information is to be submitted to :

Registration Support Branch  
Registration Division (H7505C)  
Environmental Protection Agency  
Crystal Mall Building #2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

- d. Except as modified above all other terms and conditions of the existing registration(s) for the subject product(s) remains in effect.

A stamped copy of the labeling is enclosed.

Sincerely,



George T. LaRocca  
Product Manager 13  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

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Front Panel

**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.

**KARATE® Insecticide**

For Use to Control Certain Insects on Cotton

**ACTIVE INGREDIENT:**

Lambda-cyhalothrin

[1α(S\*),3α(Z)]-(±)-cyano-(3-phenoxyphenyl)methyl-3-

(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-

dimethylcyclopropanecarboxylate ..... 13.1%

**INERT INGREDIENTS:** ..... 86.9%

**Total** ..... 100.0%

KARATE contains 1 pound of active ingredient per gallon and is an emulsifiable concentrate.

EPA Reg. No. 10182-96

EPA Est. No. 10182-

Net Contents:

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**PELIGRO**

**PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

**See Side Panel for Additional Precautionary Statements**

Made in U.S.A.  
ICI Agricultural Products  
ICI Americas Inc.  
Wilmington, DE 19897

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

NOV 12 1992

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

10182-96

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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:** Do not induce vomiting. Call a physician immediately.

**IF INHALED:** Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF IN EYES:** Hold eyelids open and flush with steady, gentle stream of water. Remove any contact lenses and repeat flushing procedure for several minutes. Get medical attention if irritation persists.

**NOTE TO PHYSICIAN:** Induced vomiting as first aid for this substance may result in increased risk of chemical pneumonia or pulmonary edema caused by aspiration of the hydrocarbon solvent. Vomiting should be induced only under professional supervision.

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**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.**

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Side Panel

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### DANGER

**CORROSIVE. CAUSES SKIN DAMAGE. MAY BE FATAL IF SWALLOWED OR INHALED. CAUSES EYE INJURY. HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE ALLERGIC SKIN REACTIONS. DO NOT** get on skin, in eyes, or on clothing. **DO NOT** breathe spray mist. **WEAR** a mask or pesticide respirator approved by NIOSH under the provisions of 30 CFR 11. **WEAR** goggles or face shield, protective clothing, and rubber gloves when mixing. **WASH** thoroughly with soap and water after handling and before eating, drinking, or using tobacco. **REMOVE** contaminated clothing and wash before reuse.

Skin exposure may also result in a sensation described as a tingling, itching, burning, or prickly feeling. Onset may occur immediately to 4 hours after exposure and may last 2 to 30 hours, without damage. Wash exposed area once with soap and water. Relief from the skin sensation may be obtained by applying an oil-based cream.

**REFER TO THE ATTACHED LABEL BOOKLET FOR DETAILED PROTECTIVE CLOTHING AND HUMAN FLAGGER DIRECTIONS.**

#### 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. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

#### PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

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Back Panel

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of irrigation system.

Refer to attached booklet for use directions.

**REENTRY STATEMENTS**

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

## STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage and disposal.

**STORAGE:** Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with sand, earth, or synthetic absorbent. Remove to chemical waste area.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. 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 at the nearest EPA Regional Office for guidance.

### CONTAINER DISPOSAL

**Metal Containers:** Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

**Plastic Containers:** 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.

### FOR BOOMERANG CONTAINERS

**CONTAINER DISPOSAL:** Return container to ICI Americas Inc. for reuse with seal intact and in salable condition.

### FOR BULK/MINI-BULK CONTAINERS

#### CONTAINER DISPOSAL

**Plastic Containers:** Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

### FOR EZ HANDLER CONTAINERS

#### CONTAINER DISPOSAL

**Plastic Containers:** 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.

### FOR MINI-BULK AND E-Z HANDLER CONTAINERS

#### CONTAINER PRECAUTIONS

Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

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**REFILL ONLY WITH KARATE INSECTICIDE.** The contents of this container cannot be completely removed by cleaning. Refilling with materials other than KARATE insecticide will result in contamination and may weaken container.

**After filling and before transporting, check for leaks.**

**Do not refill or transport damaged or leaking container.**

**CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!**

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**IMPORTANT:** Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

**CONDITIONS OF SALE AND LIMITED WARRANTY:**

The Directions for Use of this product are believed to be reliable and should be followed carefully. However, 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 timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, when used in accordance with directions under normal conditions of use. 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 and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

KARATE® is a trademark of an ICI Group Company.

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**Toxic to Fish and Aquatic Organisms**

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**KARATE® Insecticide**

**FOR USE TO CONTROL CERTAIN INSECTS ON COTTON**

**COMPLETE DIRECTIONS FOR USE**

EPA Reg. No. 10182-96  
EPA Est. No. 10182-

Made in U.S.A.  
ICI Agricultural Products  
ICI Americas Inc.  
Wilmington, DE 19897

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**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**PELIGRO**

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**ACTIVE INGREDIENT:**

**By Wt.**

Lambda-cyhalothrin	
[1 $\alpha$ (S*),3 $\alpha$ (Z)]-( $\pm$ )-cyano-(3-phenoxyphenyl)methyl- 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2- dimethylcyclopropanecarboxylate	13.1%
<b>INERT INGREDIENTS:</b>	<u>86.9%</u>
<b>Total</b>	<u>100.0%</u>

KARATE contains 1 pound of active ingredient per gallon and is an emulsifiable concentrate.

**STATEMENT OF PRACTICAL TREATMENT**

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

**IF SWALLOWED:** Do not induce vomiting. Call a physician immediately.

**IF INHALED:** Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF IN EYES:** Hold eyelids open and flush with steady, gentle stream of water. Remove any contact lenses and repeat flushing procedure for several minutes. Get medical attention if irritation persists.

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**WEAR THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT WHEN HANDLING THE CONCENTRATE AND DURING APPLICATION, EQUIPMENT REPAIR, CLEANING, DISPOSAL OF THE SPRAY SOLUTION, AND DURING EARLY REENTRY TO TREATED AREAS.**

Wear a protective suit of one or two pieces that covers all parts of the body except the head, hands, and feet. Wear chemical resistant gloves and chemical resistant boots, shoes, or shoe coverings. Wear goggles or face shield. A helmet with visor is acceptable during application from nonenclosed cockpits. Wear a pesticide respirator approved by the National Institute for Occupational Safety and Health under the provisions of 30 CFR 11.

During application only from a tractor with a completely enclosed cab or aurally with an enclosed cockpit, long sleeve shirt and long legged pants may be worn in place of the above protective equipment. Chemical resistant gloves must be made available in the cab or cockpit and must be worn while exiting. This clothing is inadequate to protect you during equipment repairs, equipment cleaning, spray solution disposal or early reentry.

**IMPORTANT!** Before removing gloves, wash hands with soap and water. Always wash hands before smoking, eating, drinking, or toileting.

Skin exposure may also result in a sensation described as a tingling, itching, burning, or prickly feeling. Onset may occur immediately to 4 hours after exposure and may last 2 to 30 hours, without damage. Wash exposed areas once with soap and water. Relief from the skin sensation may be obtained by applying an oil-based cream.

**HUMAN FLAGGERS IN THE TREATED AREA MUST EITHER BE IN TOTALLY ENCLOSED VEHICLES OR WEAR A PROTECTIVE SUIT, CHEMICAL-RESISTANT GLOVES; A CHEMICAL-RESISTANT HAT WITH A WIDE BRIM OR A HOOD; CHEMICAL-RESISTANT SHOES, SHOE COVERS OR BOOTS; A RESPIRATORY PROTECTIVE DEVICE, AND A FACE SHIELD.**

#### ENVIRONMENTAL HAZARDS

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

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This labeling must be in the possession of the user at the time of application.

Do not apply this product through any type of irrigation system.

**Resistance:** Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

### REENTRY STATEMENTS

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Apply KARATE® insecticide as shown in the following chart:



**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. 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 at the nearest EPA Regional Office for guidance.

#### **CONTAINER DISPOSAL**

**Metal Containers:** Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

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#### **FOR BOOMERANG CONTAINERS**

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##### **CONTAINER DISPOSAL**

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#### **FOR EZ HANDLER CONTAINERS**

##### **CONTAINER DISPOSAL**

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#### **FOR MINI-BULK AND E-Z HANDLER CONTAINERS**

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**REFILL ONLY WITH KARATE INSECTICIDE.** The contents of this container cannot be completely removed by cleaning. Refilling with materials other than KARATE insecticide will result in contamination and may weaken container.

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After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

**CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!**

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**IMPORTANT:** Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

**CONDITIONS OF SALE AND LIMITED WARRANTY:**

The Directions for Use of this product are believed to be reliable and should be followed carefully. However, 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 timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, when used in accordance with directions under normal conditions of use. 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 and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

AMBUSH®, CYMBUSH®, and KARATE® are trademarks of ICI Group Companies.  
Ammo®, Capture®, and Pounce® are trademarks of FMC Corporation.  
Asana® is a trademark of E. I. du Pont de Nemours & Co. (Inc.).  
Baythroid® is a trademark of Mobay Corporation.  
Scout® is a trademark of Hoechst-Roussel Agri-Vet Company.

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**RATE CONVERSION CHART**

<b>LB AI PER ACRE</b>	<b>FL OZ PER ACRE</b>	<b>PINTS PER ACRE</b>	<b>TREATED ACRES PER GALLON</b>
0.01	1.28	0.08	100
0.02	2.56	0.16	50
0.025	3.20	0.20	40
0.03	3.84	0.24	33
0.04	5.12	0.32	25