

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (WH-567)
WASHINGTON, D.C. 20460

EPA REGISTRATION NO.
10186-64

DATE OF ISSUANCE
JAN 14 1985

TERM OF ISSUANCE

Extended to December 1, 1986

NAME OF PESTICIDE PRODUCT

Cymbush 2E Insecticide

NOTICE OF PESTICIDE: REGISTRATION
 REREГИSTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

ICI Americas, Inc.
Agricultural Chemicals Group
Concord Pike & New Murphy Road
Wilmington, DE 19897

194/140550
18/2

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

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

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

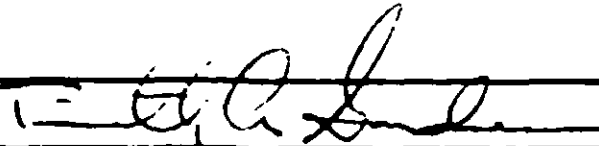
Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any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

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(C) ~~and (D)~~, since you have agreed to the following conditions:

1. Submit the following data by April 30, 1986.
 - a. Field dissipation study which identifies the formation and decline of the major metabolites identified in the soil metabolite studies (3-phenoxybenzoic acid and DCVA). In addition, analytical methodology should be developed to determine the presence of these degradates in the field environment. The soil sampling should continue until patterns of formation and decline of degradation-products in the field are established or until 18 months have elapsed since cypermethrin application, whichever comes first.
 - b. Field study to assess the impact that cypermethrin may have (if any) on the benthic organism.
 - c. You will conduct the above studies in accordance with EPA Guidelines and submit the data to the Agency by the designated dates.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL



DATE

1-14-85

2. You will submit production information (pounds or gallons produced) for this product for the fiscal year in which the use on cotton is conditionally registered, in accordance with Section 29 of FIFRA. The fiscal year begins October 1 and ends September 30.

The production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

This information should be submitted to:

Liaison Team
Process Coordination Branch
Registration Division (TS-767)
Environmental Protection Agency

Please note that the continuing Conditional Registration of this product expires December 1, 1986.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

A stamped copy of the label is enclosed for your records.

Timothy A. Gardner
Product Manager (17)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure

JOB:51434;Gardner:RD-62:Kendrick:898-1270:sah:1/10/85:Del.2/10/85

RESTRICTED USE PESTICIDE.

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.

CYMBUSH[®]
2E INSECTICIDE

**Keep Out
of Reach
of Children**

WARNING

See Side Panel For Additional
Precautionary Statements and
Statement of Practical Treatment

Net Contents:
ONE U.S. GALLON
(3.79 LITERS)

Batch No.:

EPA Establishment No 5905-AR-1
EPA Reg No 10182-64
U.S. Patent No. 4,024,163



ICI Americas Inc.
Agricultural Chemicals Division
Wilmington, Delaware 19897

ACTIVE INGREDIENT:

Cypermethrin

(±)-cyano-(3-phenoxypheyl) methyl (±)-cis

trans-3-(2,2-dichloroethoxy)-2-

2-dimethylcyclopropanecarboxylate

22.86%

INERT INGREDIENTS

77.14%

TOTAL

100.0%

*Cis/trans ratio 45/55 ± 10

CYMBUSH 2E contains 2 pounds active ingredient per gallon

RECEIVED
AGRICULTURAL CHEMICALS
DIVISION

JAN 14 1985

10182-64

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE IRRITATION.

Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Wear protective clothing when spraying. Wear protective clothing, impermeable gloves, full face shield, rubber apron and boots when handling or mixing concentrate. Avoid breathing vapors or spray mist. Wash thoroughly after handling. May cause allergic skin reactions.

FIRST AID: If swallowed, do not induce vomiting. Call a physician immediately. In case of contact with eyes, immediately flush eyes with plenty of water for at least 15 minutes. If necessary see a physician. In case of contact with skin, immediately remove contaminated clothing and flush skin with water.

NOTE TO PHYSICIAN: Inducing 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.

For 24-hour emergency assistance
call 302/575-3000.

ENVIRONMENTAL HAZARDS: This pesticide is extremely toxic to fish. Use with care when applying in areas adjacent to any body of water. Keep out of lakes, streams, ponds, tidal marshes or estuaries. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes. This product is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply **AMBUSH** or allow it to drift to crops or weeds on which bees are actively foraging. Additional information may be obtained from your Cooperative Extension Service. Apply this product only as specified on this label.

In case of a significant spill, call
CHEMTREC 800/424-9300.

PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

Keep container closed when not in use. Do not store near food or feed. 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 area and dispose of in accordance with State and local regulations. Do not reuse container. Triple rinse residue from empty container and add rinse to mixture in spray tank. Dispose of container in sanitary landfill in accordance with State and local regulations.

NOTICE TO BUYER AND USER: Seller warrants that this product conforms to the chemical description on the label and is free from adulteration. It is the BUYER'S RESPONSIBILITY to read the entire label and to use the product only in accordance with directions and other statements thereon. The warranty does not extend to the use of this product contrary to such directions or under abnormal and conditions or under conditions not reasonably foreseeable. Seller and Buyer are hereby assumed the use of any product. **SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. 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.**

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Apply CYMBUSH 2E as shown in the following chart using sufficient spray to obtain full coverage of foliage. Apply every 5 to 7 days or as needed. Timing and frequency of applications should be based upon insect populations reaching locally determined economic thresholds. The use of less than recommended rates should only occur under conditions of light to moderate insect infestations.

COTTON SPRAY RECOMMENDATIONS

TARGET PESTS	RATE (lb a.i./A)	REMARKS**
Cotton Bollworm	0.06-0.10	<p>Apply as required by scouting reports, usually at intervals of 5 to 7 days. For boll weevil control, spray on a 3 to 4 day schedule.</p> <p>Apply by air or ground. Use sufficient water to obtain full coverage of foliage. Do not apply more than 1.0 lb a.i. per acre per season.</p> <p>In areas of the country where insects have a history of being highly susceptible to insecticides, available data indicate rates as low as 0.04 lb a.i./acre will control light infestations of bollworm, budworm, pink bollworm, cabbage looper, and lygus.</p> <p>NOTE:</p> <p>1) The use of rates lower than 0.06 lb a.i./A should be used only in conjunction with intense field monitoring.</p> <p>2) Do not use less than 0.06 lb a.i./A on initial (first) application because of the variation in size and age of insects present</p> <p>CYMBUSH 2E may also be applied by air diluted with at least a once refined vegetable oil such as cottonseed oil or soybean oil. Agricultural mineral oils are not recommended. Apply using 1-2 quarts of finished spray per acre.</p> <p>CYMBUSH may be applied in tank mixture with the following insecticides in accordance with label limitations and precautions. Label dosage rate should not be exceeded. Do not tank mix in low volume dilutions of vegetable oil.</p> <p style="margin-left: 20px;">Chlordimeform Methyl Parathion GUTHION® Malathion LANNATE® LORSBAN™</p> <p style="text-align: center;">Do not apply within 14 days of harvest. Do not graze livestock in treated areas</p>
Tobacco Budworm		
Boll Weevil		
Pink Bollworm		
Lygus Bug		
Cabbage Looper		
Cotton Leafperurator		
Cutworm spp.		
Thrips		
Beet Armyworm		
Flea Beetle		
Cotton Fleahopper		
Saltmarsh Caterpillar		
Whitefly		
Cotton Aphid		

*Aids in Suppression

**Not for use in oil in California.

RATE CONVERSION CHART

Pounds Active/ Acre	Fluid Ounces/ Acre	Pints/ Acre	Acres Treated/ Gallon
0.06	3.04	0.24	33.33
0.08	5.12	0.32	25.0
0.10	6.40	0.40	20.0

CYMBUSH® is a registered trademark of ICI Americas Inc.

GUTHION® is a registered trademark of the Parent Company of Farne/Carbaryl Bayer GmbH, Leverkusen.

LANNATE® is a registered trademark of the E. I. duPont de Nemours & Co.

LORSBAN™ is a trademark of The Dow Chemical Company

NOTICE TO BUYER AND USER: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label 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 directions or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller and Buyer and Buyer assumes the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. 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.