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MAY 15 1988

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

Gentlemen:

Subject: Conditional Amendment to Add Use on Lettuce, Head  
CYMBUSH® 3E Insecticide  
EPA Registration No. 10182-65  
Your Amended Application Dated September 16, 1985

The Agency is conditionally approving the subject amendment to the registration of the above-referenced product under the authority of section 3(c)(7)(E) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFPA). This amendment allows use of the subject product on lettuce, head. In accordance with your request, this amendment will expire automatically December 31, 1988. In addition, during the period this amendment is effective, to maintain your registration, you must:

1. Submit the data required by the deadlines listed below, from studies conducted in accordance with the Good Laboratory Practice Standards (40 CFR Part 160), and appropriate test Guidelines as referenced in EPA's Data Requirements for Registration (40 CFR Part 158).
  - a. Fish Life Cycle Test (72-5)
    - A final report is due May 27, 1988.
  - b. Simulated and/or Actual Field Study (72-7)
    - A final report is due August 15, 1988.

2. Submit product information (pounds or gallons produced) for these products for the fiscal year in which the use on lettuce, head is conditionally registered, in accordance with FIFRA section 29. The fiscal year begins October 1, and ends September 30. The product information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year. This information is to be submitted to:

Registration Support and Emergency Response Branch  
Registration Division (TS-767C)  
Environmental Protection Agency  
401 M Street SW.  
Washington, DC 20460

You should note that if you fail to satisfy any of the conditions imposed on this registration, e.g., you fail to submit the required data by the specified deadlines or the data submitted were not generated in accordance with the applicable test Guidelines, EPA may issue a notice to cancel this use under FIFRA section 6(e).

You should also note that, regardless of whether you satisfy all applicable conditions, this conditional registration will expire automatically on December 31, 1988. Sale and distribution of the subject products bearing labeling for use on lettuce, head after December 31, 1989, will be illegal. The tolerance authorizing residues of the subject products on lettuce, head will also expire automatically on December 31, 1989.

After that date, sale or distribution of food in interstate commerce containing any residues of the subject products will be a violation of the Federal Food, Drug, and Cosmetic Act.

3. Make the following correction/addition to the label:
  - Revise the Environmental Hazards statement regarding contamination to read as follows:

Do not contaminate water when disposing of equipment washwaters.

4. Simultaneous Reporting to the Office of Compliance Monitoring

The Office of Compliance Monitoring (OCM) will be monitoring the data being generated in response to this letter. Therefore, if you respond to this letter by:

- Committing to develop and/or submitting data;
- Requesting a minor chemical exemption;

- Presenting arguments that a data requirement is not applicable;
- Submitting protocols or modifications to them; or
- Requesting extensions in the due date for submitting final reports;

you must send a copy of the supporting information (not copies of actual data) to:

Laboratory Data Integrity Assurance Division  
Office of Compliance Monitoring (EN-342)  
Environmental Protection Agency  
401 M Street SW.  
Washington, DC 20460

Finally, once the required data have been submitted and evaluated, EPA will entertain an application to amend the registration of the subject products to allow the unconditional use on lettuce, head without any special restriction on the duration of the registration.

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

Sincerely yours,

George T. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

Enclosure

**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

**Keep Out of Reach  
of Children**

**DANGER**

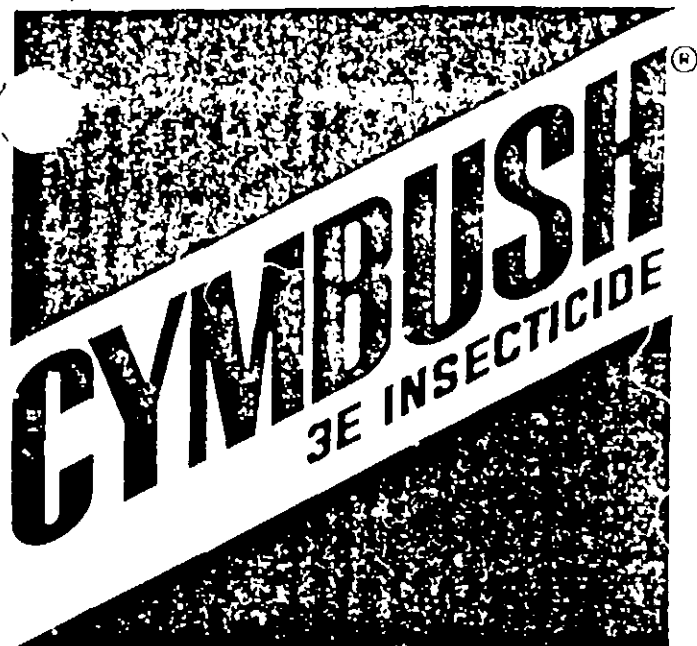
See Side Panel For Additional Precautionary Statements  
and Statement of Practical Treatment

Net contents

**ONE U.S. GALLON**  
(3.79 LITERS)

EPA Reg. No. 10182-65  
U.S. Patent No. 4,024,163

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



**ACTIVE INGREDIENT:**

**Cypermethrin**

(±)α-cyano-(3-phenoxyphenyl)methyl (±)-cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate\*

35.6%

**INERT INGREDIENTS**

**TOTAL**

64.4%

100.0%

\*Cis/trans ratio 45/55 ± 10

CYMBUSH 3E contains 3 pounds active ingredient per gallon

for sale or distribution after December 31, 1988

or use after December 31, 1989

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND  
DOMESTIC ANIMALS**

**DANGER**

**CORROSIVE. CAUSES EYE BURNS AND SKIN IRRITATION. MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. MAY CAUSE ALLERGIC SKIN REACTIONS.** Do not get in eyes, on skin or on clothing. Avoid breathing vapors or spray mist. Wash thoroughly after handling.

Wear protective clothing when spraying. Wear protective clothing, impermeable gloves, full face shield, rubber apron and boots when handling or mixing concentrate. When mixing and spraying, wear full forearm to elbow length chemical resistant gloves, boots or overshoes, one-piece overalls which have long sleeves or long pants, and face shield or goggles. Mixers and applicators should in addition wear a chemical resistant apron.

Any article of clothing worn while applying this product must be cleaned before reusing. Clothing which has been dried, bed or heavily contaminated should be disposed of in accordance with state or local regulations.

Instead of clothing and equipment sprayed above the applicator can use an enclosed treat tent with filtered air supply.

**STATEMENT OF PRACTICAL TREATMENT**

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

**IF IN EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**IF ON SKIN:** Immediately remove or laundered clothing and wash with plenty of soap and water. Get medical attention if irritation persists.

**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 CHEMICAL SERVICE, 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. Do not apply directly to water. 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 residue on crops or weeds. Do not apply to plants or flowers to be pollinated by bees, or to plants which have been treated by bees. Avoid application when they may be drifting from treated areas. For a complete list of plants to which this product may be applied, refer to the label.

For a complete list of plants to which this product may be applied, refer to the label.

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

**-ACCEPTED  
with COMMENTS  
in EPA Toxicology**

**MAR 15 1988**

Under the provisions of the  
Federal Insecticide, Fungicide,  
and Rodenticide Act, this pesticide  
has been registered with the EPA. Do not use

**CYMBUSH**

**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. 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.

**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 of 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. **Glass Containers:** Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved state and local procedures.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Apply CYMBUSH 3E 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.

**RE-ENTRY STATEMENTS**

Do not treat areas while unprotected humans or domestic animals are present in the treatment area.

Do not allow entry into treated areas without protective clothing until sprays have dried.

State re-entry regulations will apply if they are more restrictive than those stated on this label. Consult with State regulatory officials.

**SPRAY RECOMMENDATIONS**

Crop	Target Pests	Rate (lbs ai/A)	Remarks
Cotton	Cotton Bollworm Tobacco Budworm Boll Weevil Pink Bollworm Lygus Bug Cabbage Looper Cotton Flea Leaf-roller Cotton Bollworm Soybean Thrips Tobacco Thrips Belted Armyworm Flower Weevil Cotton Flea Salt Marsh Flea Cotton Flea Cotton Flea	0.06-0.10 (2.5-4.27 fl oz/A)	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.  Apply by air or ground. Use sufficient water to obtain full coverage of foliage. Do not apply more than 1.0 lb ai per acre per season.  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 ai/acre will control light infestations of bollworm, budworm, pink bollworm, cabbage looper, and lygus.  <b>NOTE</b> 1) The use of rates lower than 0.06 lb ai/A should be used only in conjunction with intense field monitoring. 2) Do not use less than 0.06 lb ai/A on initial (first) application because of the variation in size and age of insects present.  CYMBUSH 3E may also be applied by air diluted with at least a once refined vegetable oil such as cottonseed oil or soybean oil. Apply using 1-2 quarts of finished spray per acre.  CYMBUSH 3E may be applied in tank mixture with the following insecticides in accordance with label limitations and precautions. Label dosage rate should not be exceeded:  Chlorimethrol Malathion Methyl Parathion LANNATE® GUTHION® LORSBAN®  Do not apply within 14 days of harvest. Do not graze livestock in treated areas.
Apple	Apple Blossom Weevil Pink Blossom Weevil Apple Blossom Weevil Apple Blossom Weevil Apple Blossom Weevil	0.06-0.10 (2.5-4.27 fl oz/A)	Apply by ground equipment to the point of drip. The CYMBUSH 3E rates are based on a standard of 100 gallons of dilute spray per acre for 1 mature tree. For large trees which would require 200-300 gallons of spray per acre, apply at the rate of 0.06-0.10 lb ai/acre (100 gallons of water) in order to calculate the correct gallons of water needed to spray one acre of your trees to the point of drip. You may need to conduct rates. If you do not know how to conduct such a test with your equipment, you should request assistance from your equipment dealer.  Can be applied only prior to shuck split and a harvest at least 21 days must be observed. Do not apply more than 0.10 lb ai/acre per crop season.  Do not graze livestock in treated ground or on treated crop or crop residue.

CROP	TARGET PESTS	RATE (lbs ai/A)	REMARKS
Lettuce	Cabbage Looper Alfalfa Looper Black Cutworm Granulate Cutworm	0.025-0.1	Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment or 5 gallons per acre by air.
	Tobacco Budworm Corn Earworm Beet Armyworm	0.04-0.10	Lower rates of CYMBUSH should be used under light to moderate insect pressure. Higher rates should be used to control heavy insect populations.  Do not apply more than 1.5 lb ai/A per season. Do not apply within 5 days of harvest. Do not plant rotational crops within 30 days of the last application.