



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
10182-431

Date of Issuance:
FEB 10 1998

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
Conditional

Name of Pesticide Product:
Cyper EC Insecticide

Name and Address of Registrant (include ZIP Code):

Zeneca Ag Products
1800 Concord Pike
P.O. Box 15458
Wilmington, DE 19850-5458

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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)(A) provided that you:

1. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 10182-431".
 - b. Add the statement "Wear protective clothing and impermeable gloves when spraying, handling or mixing concentrate" to the **Hazards to Humans and Domestic Animals** section of the label. See also our September 25, 1997 letter regarding EPA Reg. No. 10182-105.
 - c. Since the product is labeled for commercial applicators and is targeted for the pest control market add the following user limitation statement to the front panel: "**Only for Sale to, Use and Storage by Professional Pest Control Operators**".

Signature of Approving Official:

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

Date:

d. Revise the beginning of front panel statement to read "For Outdoor Use Only as a Residual...", etc..

e. You may delete the statement beginning "Do not use in commercial greenhouses ...", and "Not for use on plants...", since the product is intended to be used on exterior inanimate surfaces.

f. Revise the statement under **Wood Infesting Beetles** to read: "For large or overhead areas apply thoroughly as a coarse spray but do not let runoff occur".

g. Under Termites Above Ground the statement should read "This type of application is not intended to be a substitute for soil treatment or for extensive infestation...", etc..

h. Add "Do not treat firewood" to the firewood protection paragraph.

i. Revise the heading to read "Posts, Poles and Similar Constructions".

2. Submit recertification that child resistant packaging meets current requirements. See PR Notice 96-2.

3. Submit two (2) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Enclosure

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CYPER EC Insecticide

For outdoor use as a residual and contact control of termites, carpenter ants, carpenter bees and wood infesting beetles and borers.

ACTIVE INGREDIENT:

CYPER: (\pm) α -cyano-(3-phenoxyphenyl)methyl(\pm)- <i>cis,trans</i> -3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate*	25.3%
INERT INGREDIENTS	<u>74.7%</u>
TOTAL	<u>100.0%</u>

**Cis/trans* ratio: 45/55 \pm 10

CYPER EC contains approximately 0.25 ounces a.i. per fl. oz.

EPA Reg. No. 10182 - 431
EPA Est. No.

Net Contents: 1 fl. oz. (30 mL)

KEEP OUT OF REACH OF CHILDREN

WARNING

Made in U.S.A.
ZENECA Professional Products
ZENECA Inc.
Wilmington, DE 19850-5458

ACCEPTED
with COMMENTS
in EPA Letter Dated

FEB 10 1998

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-431

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

MAY BE FATAL IF SWALLOWED. CAUSES SKIN IRRITATION. HARMFUL IF ABSORBED THROUGH SKIN OR INHALED. CAUSES MODERATE EYE IRRITATION. PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC SKIN REACTIONS IN SOME INDIVIDUALS. Do not get on skin or clothing. Avoid contact with eyes. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish. Do not contaminate water when cleaning equipment or 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. 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

**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. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, 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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DIRECTIONS FOR USE

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

For outdoor use as a residual and contact pest control on exterior surfaces of buildings and structures and their immediate surroundings. Permitted areas of use include residential, public, industrial, and commercial buildings such as houses, apartment buildings, laboratories, greenhouses and the nonfood/feed areas of stores, warehouses, hospitals, museums and offices.

Do not use in commercial greenhouses or nurseries. Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. Do not use on food or feed crops.

CYPER EC Insecticide is intended for dilution with water for 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. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Dispose of absorbent material in trash.

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:

Wrap empty container in newspaper and discard in trash.

MIXING INFORMATION

CYPER EC Insecticide is designed for ease of use. One bottle of concentrate should be used in one gallon of water. This results in a 0.2% emulsion of cypermethrin. Fill sprayer with one gallon of water. Add one 1 fl. oz. bottle of CYPER EC Insecticide and shake before use to obtain an emulsion. If mixture is allowed to stand, shake before use.

Use this spray at a rate of 1 gallon of diluted spray per 1,000 square feet of surface area.

IMPORTANT: Do not apply into exterior electrical fixtures, switches, or sockets. Remove all wood and cellulose containing debris in contact with soil from crawl spaces, porches, and

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around foundations. Do not permit humans or pets (particularly fish and reptiles) to contact treated surfaces until the spray has dried.

TREATMENT OF WOOD DESTROYING PESTS SUCH AS TERMITES, CARPENTER ANTS, CARPENTER BEES AND WOOD INFESTING BEETLES

CYPER EC may be used for treating insect infesting wood surfaces on the outside of buildings and other structures. The diluted material can be applied to wood using a coarse fan spray or crack and crevice tool. Also, to treat wood trim and exposed wood beams you can apply by brushing only onto the wood surfaces requiring treatment to control wood infesting insect pests.

CONTROL OF WOOD INFESTING BEETLES:

To control wood infesting insects such as powderpost beetle (Lyctidae), false powderpost beetles (*Bostrichidae*), deathwatch beetles (*Anobiidae*), old house borers (*Cerambycidae*) and ambrosia beetles (*Scolytidae*) on exterior surfaces of homes and other structures, apply as an emulsion containing 0.2% CYPER EC. For large or overhead areas, apply as a coarse spray to the point of runoff. Treated surfaces should be avoided until spray has totally dried. Do not use in structures occupied by animals to be used for food purposes or which produce products for human consumption.

TERMITES ABOVE GROUND: For control of termites, subterranean aerial colonies, Formosan aerial colonies or drywood termites in localized areas of infested wood on exterior surfaces, on and around building and other structures, apply a 0.2% emulsion to voids and galleries in damaged wood and in spaces between wooden members of a structure and between wood and foundations where wood is vulnerable. Treatment is intended to kill workers and winged productive forms of termites in the treated areas and to provide temporary protection from infestation. This type of application is not intended to be a substitute for soil treatment for extensive infestation of drywood termites or other wood-infesting insects.

For termites active inside trees, utility poles and/or fence posts, drill to find the interior infested cavity and inject 0.2% emulsion using treatment tool with a splashback guard.

CARPENTER ANTS: For control of carpenter ants on exterior surfaces on and around buildings and other structures, apply as a 0.2% emulsion for protection up to 5 weeks, with retreatment semiannually as needed, around doors and windows and other places where carpenter ants enter the premises and where they crawl. Spray into cracks and crevices or through openings or small drilled holes into voids where these ants or their nests are present. Use no more than a sufficient amount of coarse spray to cover the area to the point of runoff. Do not exceed 1 gallon of dilute emulsion per 1000 square feet of treated surface.

For carpenter ants active inside trees, utility poles and/or fence posts, drill to find the interior infested cavity and inject 0.2% emulsion, for protection up to 1 week, using a treatment tool with a splashback guard. Reapply under heavy reinfestation pressure.

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FIREWOOD PROTECTION FROM CARPENTER ANTS: Prior to laying in firewood, soil beneath the cord(s) may be treated with a 0.2% emulsion at 1 gallon per 10 square feet to prevent carpenter ant infestation. X

CARPENTER BEES: Use a 0.2% emulsion for control of carpenter bees. Liquid may be sprayed directly into gallery entrance holes. Following treatment, the entrance holes may be left open 24 hours to be certain that returning adult bees are killed. When there is no activity, the hole may be closed with wood putty.

POSTS, POLES AND OTHER CONSTRUCTIONS

Application may be made to create a chemical barrier in the soil around wooden construction such as signs and landscape ornamentation by applying a 0.2% emulsion. Treat on all sides to create a continuous barrier around posts and poles.

Use 1 gallon of emulsion per foot of depth for poles and posts less than six inches in diameter. For larger poles, use 1 ½ gallons of emulsion per foot of depth. For larger constructions, use 4 gallons per 10 linear feet per foot of depth.

For treatments made during installation, the emulsion may be applied to the soil as it is replaced around the pole or post. Previously installed poles and posts may be treated by subsurface injection or treated by gravity-flow through holes made from the bottom of a trench around the pole or post. Treat on all sides to create a continuous chemical barrier. Apply to a depth of six inches below the bottom of the wood.

NOTE: Do not use water base sprays of CYPER EC in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard. Let treated areas of surfaces dry before allowing children and pets to contact surfaces. For best results, thoroughly wash out sprayer and screen with water and detergent before using CYPER EC insecticide. Do not use this product with oil.

Do not apply this product to edible crops.

Do not allow applications to contact water inhabited by fish, such as in ornamental fish ponds that are around structures being treated.

Do not use as a space spray.

Use only in well ventilated areas.