



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

EPA Reg.
Number:

3125-484

Date of Issuance:

MARCH 6,
1997

NOTICE OF PESTICIDE:

 x Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

TEMPO 2 GREENHOUSE
AND NURSERY
INSECTICIDE

Name and Address of Registrant (include ZIP Code):

BAYER CORPORATION
P.O. Box 4913
8400 Hawthorn Rd.
Kansas City, MO 64120-0013

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. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 3125-484."
- b. In the environmental hazards section the first sentence must be revised to read, "This pesticide is extremely toxic to fish and aquatic invertebrates."

3. We acknowledge receipt of an alternate confidential statement of formula (CSF) dated December 10, 1996 and currently is being reviewed.

4. Submit three copies of the revised final printed label for the record.

Signature of Approving Official:

George T. LaRocca

George T. LaRocca
Product Manager Team-13

Date: MARCH 6, 1997

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.

Sincerely yours,

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

Enclosure:

BEST AVAILABLE COPY

TEMPO 2 Greenhouse and Nursery Insecticide

XXX-8660.YLD

U. S. LABEL

Base Pre-Reg. (8660)

Reason to Issue: To propose registration of product for nursery and greenhouse use.
10/20/95 Draft: To revise in accordance with internal comments.

Date of Draft: 10/20/95(S)
Supersedes Pre-Reg Draft Dated: 05/22/95

TEMPO 2

Greenhouse and Nursery Insecticide

FOR COMMERCIAL USE ONLY
FOR BROAD-SPECTRUM CONTROL OF INSECT PESTS ON
ORNAMENTALS AND NURSERY STOCK

ACTIVE INGREDIENT:

Cyfluthrin, cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate 24.3%

INERT INGREDIENTS: 75.7%
100.0%

(This product contains xylene-range, aromatic solvents)

Contains 2 pounds cyfluthrin per gallon.

EPA Est. 11556-KS-1
EPA Reg. No. 3125-XXX

Net Contents: _____ Milliliters

STOP - Read the Label Before Use

Keep Out of the Reach of Children

WARNING

See Rear Panel for Statements of Practical Treatment and Other Precautionary Statements

AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail.)

ACCEPTED
with COMMENTS
in EPA Letter Dated

NOV - 6 1997

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

3125-484

Bayer 

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Warning: May cause eye injury. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes or on clothing. Avoid breathing vapors or spray mist. Do not contaminate feed or food. Keep out of reach of children.

Personal Protective Equipment: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or viton
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash

STATEMENTS OF PRACTICAL TREATMENT

If in eyes: Hold eyelids open and flush with plenty of water. Get medical attention. **If swallowed:** Call a physician or Poison Control Center. Do not induce vomiting. Vomiting may cause an aspiration hazard. **If on skin:** Wash thoroughly with soap and water. Get medical attention if irritation occurs.

NOTE TO PHYSICIAN: Treat the patient symptomatically, taking into consideration that this formulation contains 34% aromatic petroleum distillates.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water, 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. Do not contaminate water when disposing of equipment washwaters.

This pesticide is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply TEMPO 2 or allow it to drift onto crops or weeds on which bees are actively foraging. Additional information may be obtained by consulting your Cooperative Extension Service.

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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. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate or viton
- Shoes plus socks

IMPORTANT: Read these entire Directions and Conditions of Sale before using TEMPO 2 Greenhouse and Nursery Insecticide.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT.

THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. BAYER OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF BAYER AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

Do not formulate this product into other end-use products.

When used at recommended rates and as directed under RECOMMENDED APPLICATIONS, TEMPO 2 Greenhouse and Nursery Insecticide will control the designated pests on trees, shrubs, foliage plants, flowers and other ornamental plants in nurseries, garden centers and greenhouses.

APPLICATION TO ORNAMENTALS: TEMPO 2 Greenhouse and Nursery Insecticide mixes readily with water and may be used in all types of spray equipment. Mix product with the required amount of water and apply as a dilute spray application to the point of run-off. When spraying hard-to-wet foliage such as holly, pine or ivy, the addition of a spray adjuvant, such as a wetting agent or spreader-sticker may, enhance both knock-down and residual activity. If concentrate or mist type spray equipment is used, an equivalent amount of product should be used on the area sprayed, as would be used in a dilute application. Phytotoxicity testing has been carried out on a wide range of ornamental plants under various environmental conditions and no phytotoxicity has been observed. It is advised to pre-spray a selection of ornamentals if local use experience is unavailable. Time applications to flowering plants during periods when pollinating insects are not present, such as early morning or late evening.

COMPATIBILITY: TEMPO 2 Greenhouse and Nursery Insecticide has been found to be physically 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.

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

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RECOMMENDED APPLICATIONS			
CROP	PEST	TEMPO 2	REMARKS
		per 100 gal	
Ornamentals and Nursery Stock (including Trees, Shrubs, Evergreens, Flowers, Foliage Plants)	Armyworms Azalea caterpillars Bagworms Bristly roseslugs California oakworms Cankerworms Cutworms Elm spanworms Fungus gnats Gypsy moth larvae Lace bugs Leaf-feeding caterpillars Oleander moth larvae Pillbugs Pine shoot moths Pine tip moths Redhumped caterpillars Sawfly larvae Sowbugs Striped oakworms Tent caterpillars Tussock moth larvae Webworms Yellownecked caterpillars	30 milliliters (1 fl oz)	Applications should be started prior to establishment of high pest populations and reapplication made as necessary. Good spray coverage is necessary to provide the most effective level of control. Addition of a spray adjuvant, such as a wetting agent or spreader/sticker, at recommended rates may enhance control of insects on certain species of ornamentals having hard-to-wet surfaces.

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RECOMMENDED APPLICATIONS			
CROP	PEST	TEMPO 2	REMARKS
		per 100 gal	
Ornamentals and Nursery Stock (Continued) (Including Trees, Shrubs, Evergreens, Flowers, Foliage Plants)	Ants* Aphids Boxelder bugs Budworms Casebearers Clover mites Cockroaches** Crickets* Elm leaf beetles Flea beetles Flies* Grasshoppers Japanese beetles (adult) June beetles (adult) Leafhoppers Leafrollers Leaf skeletonizers Mealybugs Midges* Mosquitoes* Orchid weevil Pear psylla Peppertree psyllid Plant bugs Scale insects (crawler stages) Spiders* Spittlebugs Striped beetles Thrips Ticks Tussock moth larvae Wasps* Whiteflies	45 milliliters (1.5 fl oz)	Applications should be started prior to establishment of high pest populations and reapplication made as necessary. Good spray coverage is necessary to provide the most effective level of control. Addition of a spray adjuvant, such as a wetting agent or spreader/sticker, at recommended rates may enhance control of insects on certain species of ornamentals having hard-to-wet foliage. *The use of TEMPO 2 Greenhouse and Nursery Insecticide for the control of ants, crickets, spiders, midges, wasps, flies and mosquitoes is limited to ornamental areas and areas adjacent to buildings. Apply as a general spray, concentrating on damp areas beneath shrubbery, around foundations and in areas of tall grass or weeds. Do not apply to any food crop. Remove any animal feeding dishes prior to treatment and do not allow spray or drift to contact fish-bearing water. **Outdoor cockroach control (including Asian cockroaches) is obtained by spraying hiding or resting places such as under shrubbery, in ground covers and mulching materials, in hollow trees, etc.

STORAGE AND DISPOSAL

Not for Storage In or Around the House

Pesticide Disposal: Do not contaminate water, food, or feed by storage or 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: 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.

Store in cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food,

and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Kansas City Emergency Response Team Telephone No. is 816-242-2552, or contact Chemtrec at 800-424-9300.

Bayer Corporation
 Specialty Products
 Box 4913 Kansas City, MO 64120-0013

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