



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

EPA Reg. Number: 100-751
Date of Issuance: 28 MAY 1993

Term of Issuance: Conditional

Name of Pesticide Product: Torus WP

NOTICE OF PESTICIDE:
 X Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Ciba-Geigy Corporation
Ciba Plant Protection
Post Office Box 18300
Greensboro, NC 27419-8300

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/reregistration 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. Change the label by revising the EPA Registration Number to read, "EPA Reg. No. 100-751".
3. Submit two copies of the revised final printed label for the record.

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.

Signature of Approving Official:

Rita Kumar

Date:

5/28/93

Handwritten mark

Proposed Booklet Label

TORUS[®] WP

Insect Growth Regulator for Extended Insect Control

(Insect Growth Regulator for Use in Homes, Apartments, and Other Buildings, in Non-Food Preparation Areas of Food Handling Establishments, and Outdoors Around Buildings and in Pet Areas)

Active Ingredient:

Fenoxycarb: (Ethyl [2-(4-phenoxyphenoxy)ethyl] carbamate)	25%
Inert Ingredients:	75%
Total:	100%

Torus WP is a wettable powder.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements and directions for use at end of booklet.

EPA Reg. No. 100-
EPA Est. _____

The outer protective carton contains 15 foil pouches. Each foil pouch contains a single water soluble packet of Torus WP. The entire packet of Torus WP dissolves in water. After opening outer foil bag, immediately dump the unopened packet into the partially filled sprayer or mix tank. Use the number of packets specified in the directions for use. Do not handle the soluble packets or expose them to moisture, since this may cause rupturing.

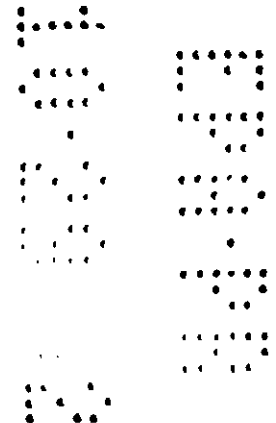
15 x 0.38 oz. Water Soluble Packets
Total 5.70 ounces
U.S. Standard Measure

CIBA-GEIGY

ACCEPTED
with COMMENTS
in EPA Letter Dated

28 MAY 1993

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
100-751



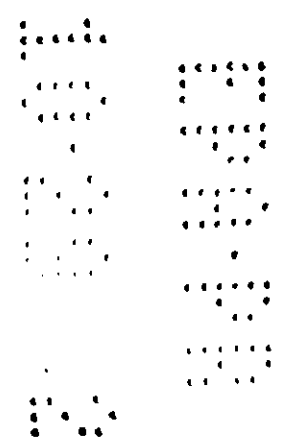
DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. CIBA-GEIGY makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. CIBA-GEIGY and the Seller offer this product, and the Buyer and user accept it subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CIBA-GEIGY.



DIRECTIONS FOR USE

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

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL OR ILLEGAL RESIDUES.

General Information

Torus WP will control cockroaches, fleas and certain stored food pests in homes, apartments and non-food preparation areas of industrial, institutional and commercial buildings including but not limited to: hotels, hospitals, restaurants, stores, manufacturing plants, warehouses, transportation equipment, and ships.

Torus WP may also be used outdoors as a perimeter treatment around buildings to control cockroaches and in animal runs, resting areas and kennels to control fleas.

Note: Do not apply Torus WP in serving areas of restaurants while food is exposed. Avoid contamination of food, feedstuffs or water supply.

Torus WP kills flea eggs, and treated larvae fail to emerge as adult fleas. Torus WP has excellent residual effect indoors, lasting six months or more depending on the material treated, frequency of cleaning, and environmental conditions. Outdoor treatments should be repeated as needed.

Torus WP acts on the immature growth stages of cockroaches, killing young instar nymphs by disrupting molting. Torus WP prevents the development of last-stage nymphs into fertile adults.

Torus WP acts on stored-food pests as an ovicide and prevents the larvae from becoming adults. Torus will control: granary weevil, rice weevil, sawtoothed grain beetle, red flour beetle, confused flour beetle, lesser grain borer, cigarette beetle, Indian meal moth, angoumois grain moth, warehouse moth, and mill moth.

Torus WP will not kill adult insects. If adult insects are present, Torus WP should be combined with an insecticide registered for control of the adult stage of the target insect(s). Torus WP complements the rapid activity of the insecticide by providing long-term control.

Torus WP System - Application Rates

The outer protective foil bag contains Torus WP in water soluble

packets. The entire packet and contents dissolve in water. Open the outer bag, and immediately place the unopened Torus WP packet into the sprayer. Use Torus WP at the following rates:

Pest	Type of Application	Amount of Torus WP/gal. of water	Specific Directions
Cockroaches	Clean Out	2-3 packets	For high infestations, use 3 packets. For light infestations, 2 packets.
	Maintenance	2 packets	
	Perimeter	2 packets	
Fleas	Indoor	1 packet	Outdoors, use 1 packet Torus WP per 300-350 sq. ft. in sufficient water to cover.*
	Outdoor*	1 packet	
Stored Food Pests	Maintenance	2 packets	

The following concentrations of active ingredient in the finished spray are produced when:

- 1 packet per gallon of water = 0.06%
- 2 packets per gallon of water = 0.125%
- 3 packets per gallon of water = 0.187%

Mixing Procedure

Make sure sprayer is clean before mixing. Fill sprayer with the desired volume of water. Drop the required number of unopened water-soluble packets containing Torus WP into the sprayer. Wait three minutes for the packets to dissolve. Close and shake sprayer before use in order to assure proper suspension of the wettable powder. If Torus WP is to be mixed with an adulticide, add the adulticide only after the packets have completely dissolved. Shake or re-agitate sprayer before use if spraying is interrupted. Make up only as much as is required. Do not use strainers finer than 50 mesh size. Do not allow spray mixture to stand overnight. Do not handle packets with wet gloves or hands. Do not allow packets to become moist prior to use.

Application Precautions

Do not allow spray mist to contact food, feedstuffs or water supplies. Dishes and food-handling utensils should be thoroughly washed in soap and water if exposed to contamination by the application of the product. Do not allow children or pets to contact treated surfaces until spray has dried. **DO NOT USE IN FOOD PREPARATION AREAS OF COMMERCIAL FOOD-HANDLING ESTABLISHMENTS.**

Torus WP System Application Procedure

Cockroaches

Clean Out:

Apply 2 - 3 packets (0.125% to 0.187% spray) as a crack and crevice spray and/or a spot treatment with a low pressure sprayer. Apply to all areas that harbor cockroaches, including behind cupboards, pantries, under shelves and drawers, behind and under stoves, refrigerators, and other large appliances; under sinks, baseboards, window frames, plumbing and other utility installations.

1. Initial application: Use the clean out rate. Empty all cabinets and drawers prior to application.
2. Second application: Apply the maintenance rate 6-8 weeks after the initial application, depending on the residual insecticide used.
3. Subsequent applications: Apply the maintenance rate every 3-4 months.

Perimeter Treatments

Apply 2 packets (0.125% spray) in a band 2 to 4 feet adjacent to and around the structure and apply to a height of 2 to 3 feet on the foundation where pests may be active or may find entrance. Apply as a residual spray around window frames, doors, garage doors, patios, carports, shutters, around garbage areas and other areas where cockroaches may congregate. Avoid spraying into the air.

Food Serving Areas

Torus WP can be used where prepared foods are served, such as dining rooms, but excluding areas where food is being held or prepared.

Apply as a crack and crevice and/or spot treatment to infested areas or areas likely to be infested and between and beneath elements of construction only. Dishes and food handling utensils should be thoroughly washed in soap and water if exposed to contamination. Do not apply in serving areas of restaurants while

food is exposed.

Fleas

Prior to treatment, carpets should be vacuumed and the vacuum cleaner bag disposed of in an outdoor trash receptacle. Pet bedding should be replaced or washed in hot water. To control the source of infestation, pets should be treated with a product registered for on-animal flea control.

Indoor

Mix 1 packet per gal. of water (0.06% spray) and apply one gal. of finished spray to approximately 1,500 sq. ft. of surface area, using a low pressure sprayer suitable for indoor applications. Treat all areas that may harbor fleas, including carpets, furniture, pet sleeping areas and throw rugs. Treat under cushions of upholstered furniture. Avoid contact with treated areas until spray has dried. Remove pets and cover aquariums prior to treatment.

Outdoor

To control fleas outdoors apply Torus WP to animal runs and areas where the animals rest. Also, if animals are kenneled, apply Torus WP in and around the kennel area. Apply the recommended rate to 300 to 350 square feet in sufficient water to obtain good coverage. Repeat as needed.

Stored Food Pests

For Use in the Home

Mix 2 packets per gal. of water (0.125% spray) and apply as a crack and crevice and a spot treatment to pantry and cupboard shelves where food containers are stored. Prior to spraying remove all food containers and food stuffs, any shelving paper and utensils. Do not replace food or containers until spray has dried. Destroy infested food packages.

For Use in Warehouses and Commercial Food Storage Areas

Prior to application, sweep all floors of debris, and pick up all litter. Application should be made as a crack and crevice and/or spot treatment. Apply to all areas that may harbor pests. Apply under and between pallets.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Do not store this product under wet conditions. Handle outer carton and foil bags carefully to avoid breakage of water soluble

packets. Store in a locked storage area away from children.

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal

Do not reuse outer cardboard carton or foil bag. Dispose of empty carton and outer foil bag in a sanitary landfill or incinerate, or if allowed by state and local authorities dispose of by burning. If carton or foil bag is burned, stay out of smoke from burning container.

For minor spills, leaks, etc. follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372 day or night.

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

Statement of Practical Treatment

If on skin: Wash with plenty of soap and water. Get medical attention.

If in eyes: Flush eyes with plenty of water. Call a doctor if irritation persists.

Environmental Hazards

This product is toxic to fish and aquatic invertebrates. Drift and runoff from treated sites may be hazardous to aquatic invertebrates in adjacent aquatic sites. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water.

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Animal Health Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419

CGA

Oct. 23, 1992

Proposed Label for Foil Pouch

Torus^R

Insect Growth Regulator for Extended Insect Control

Active Ingredient:

Fenoxycarb - Ethyl [2-(4-phenoxoxyphenoxy) ethyl]carbamate).....	25%
Inert ingredients*.....	75%
Total:	100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See enclosed booklet for additional precautionary statements and directions for use.

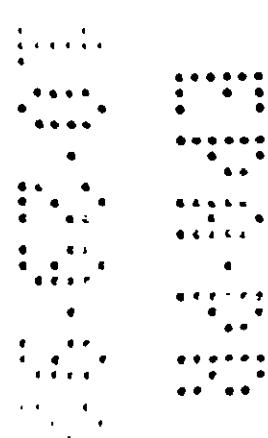
EPA Reg. No. 100-

Net Contents 0.38 oz.

THIS PACKAGE NOT FOR INDIVIDUAL RETAIL SALE

ACCEPTED
with COMMENTS
in EPA Letter Dated
28 MAY 1993

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Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
100-751



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Proposed Carboard Carton Label

TORUS[®] WP

Insect Growth Regulator for Extended Insect Control

(Insect Growth Regulator for Use in Homes, Apartments, and Other Buildings, in Non-Food Preparation Areas of Food Handling Establishments, and Outdoors Around Buildings and in Pet Areas)

Active Ingredient:

Fenoxycarb: (Ethyl [2-(4-phenoxyphenoxy)ethyl] carbamate)	25%
Inert Ingredients:	75%
Total:	100%

Torus WP is a wettable powder.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements and directions for use in booklet inside carton.

EPA Reg. No. 100-
EPA Est. _____

The outer protective carton contains 15 foil pouches. Each foil pouch contains a single water soluble packet of Torus WP. Entire packet of Torus dissolves in water. After opening outer foil bag, immediately dump the unopened packet into the partially filled sprayer or mix tank. Use the number of packets specified in the directions for use. Do not handle the soluble packets or expose them to moisture, since this may cause rupturing.

15 x 0.38 oz. Water Soluble Packets
Total 5.70 ounces
U.S. Standard Measure

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Torus[®] trademark of CIBA-GEIGY Corporation
U.S. Patent 4,215,139

Animal Health Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27419

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