



Torus[®] 2E

Insect Growth Regulator For Extended Insect Control

ACTIVE INGREDIENT:

fenoxycarb - (ethyl(2-(4-phenoxyphenoxy)ethyl)carbamate).....	24.37%
INERT INGREDIENTS	75.63%
TOTAL 100.00%	

Contains 2 lbs active ingredient per gallon (240 g/l)
Contains petroleum solvents

KEEP OUT OF REACH OF CHILDREN DANGER

SEE BELOW FOR STATEMENT OF
PRACTICAL TREATMENT AND
ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG NO 35977-26
EPA ESTABLISHMENT NO 602-MO-1

Maag Agrochemicals Inc.
P.O. Box 6430, Vero Beach, FL 32961
* Trademark of Maag Agrochemicals Inc

PRECAUTIONARY STATEMENTS DANGER

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Concentrate causes irreversible eye damage. Do not get in eyes or on clothing. Wear goggles, face shield or safety glasses when handling concentrate. Harmful if inhaled or absorbed through skin. Avoid contact with skin. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

- If in eyes:** Flush eyes immediately with plenty of water. Get medical attention.
- If swallowed:** Contains petroleum solvents. Do not induce vomiting. Call local Poison Control Center for advice. Get medical attention.
- If on skin:** Wash with plenty of water. Get medical attention.
- If inhaled:** Remove victim to fresh air. Get medical attention.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Drift and runoff from treated areas may be hazardous to aquatic invertebrates in adjacent aquatic sites. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL/CHEMICAL HAZARDS

To avoid electrical shock or short circuits, do not apply in areas such as conduits, motor housings, junction and switch boxes, and other electrical equipment.

Flammable - Do not handle or store near heat sources or open flame. Do not handle in the vicinity of pilot lights.

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

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Pesticide Storage: Store in locked storage area away from children.
Soak up spills with absorbent material and dispose of absorbent in accordance with pesticide disposal instructions.
Pesticide Disposal: Do not contaminate water, food or feed by storage or 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 containers. Triple rinse container, then wrap in several layers of newspaper and dispose of in trash.

INTRODUCTION

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

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

Torus acts on stored food pests* as an oxidant and prevents the larvae from becoming adults. It has been shown to be effective on: 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 will not kill adult insects. Torus should be combined with an insecticide registered for adult control of the target insect(s). Torus complements the rapid activity of the insecticide by providing long term control.

TORUS SYSTEM - APPLICATION RATES

Pest	Type of Application	Amount of Torus	Specific Directions
Cockroaches	Clean out	20-30 ml/gal	For light infestations use 30 ml. For light infestations use 20 ml.
	Maintenance Perimeter	20 ml/gal 20 ml/gal	
Fleas	Indoor	10 ml/gal	Outdoors* apply 10 ml Torus to approx. 300-350 sq ft in sufficient water to cover.
	Outdoor*	10ml	
Stored food pests*	Maintenance	20 ml/gal	

* Not for this use in the State of California

BEST AVAILABLE COPY

MIXING PROCEDURE

To mix Torus partially fill the sprayer with water, add the correct amount of Torus for the use specified in the table and agitate. Add the labeled rate of the insecticide selected and fill with water to the final volume. Agitate before each spray. Do not allow spray mixture to stand overnight.

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 ESTABLISHMENTS.**

TORUS SYSTEM APPLICATION PROCEDURE

COCKROACHES

Apply as a crack and crevice spray and as a spot treatment with a low pressure sprayer equipped with a multi-tip nozzle. 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 cleanout 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 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, carpets, shutters, around garbage areas and other areas where cockroaches may congregate. Avoid spraying into the air.

FOOD SERVING AREAS

Torus 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 baseboards 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.

FLIES

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

Apply one gallon of finished spray on approximately 1500 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 to animal runs and areas where the animals rest. Also, if animals are kennelled, apply Torus 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

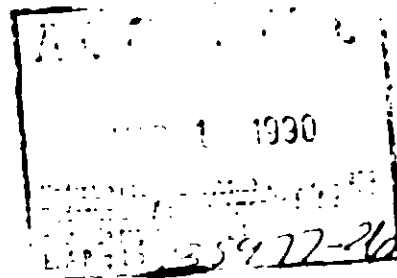
Apply as a crack and crevice and a spot treatment to pantry and cupboard shelves where food containers are stored. Prior to spraying remove all food containers and foodstuffs, any shelving paper and utensils. Do not replace food or containers until spray has dried. Destroy infested food packages.

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 spot treatment. Apply to all areas that may harbor pests. Apply under and between pallets.

* Not for this use in the State of California

12/99



Maag Agrochemicals Inc.
PO Box 6430, Vero Beach, FL 32961

* Trademark of Maag Agrochemicals Inc.