

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (77505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

279-3169

Date of Issuance:

3/12/98

Term of Issuance:

Conditional

Name of Pesticide Product:

Talstar® Insect & Termite Killer

NOTICE OF PESTICIDE:

x Registration

\_\_\_ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

FMC Corporation
1735 Market St
Philadelphia, PA 19103

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 unconditionally registered in accordance with FIFRA sec. 3(c)(5). Once a pesticide is registered, however, it is not regarded as permanently acceptable. Registration does not eliminate the need for continual reassessment of pesticides. If the Agency determines that, at any time, additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under FIFRA section (3)(c)(2)(B).

1. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 279-3169".
b. Revise the first statement on the label to read "For prevention and control of ants, termites (above ground only)....". The statement as presently written could be misleading to the consumer.

2. 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 section 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

Signature of Approving Official:

Date:

CONCURRENCES

Table with columns for SYMBOL, SURNAM, DATE, and a grid for CONCURRENCES. Includes handwritten signature and date 3/12/98.

Code 1671

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Net Contents



### Insect & Termite Killer

**For Use Around Foundations, Outside Buildings, Lawns, Woodpiles, Stored Lumber and Fence Posts**

*For prevention and control of ants, subterranean termites, and certain wood destroying insects. This product can be used for treatment of localized areas of wooden structures, firewood piles and stored lumber to control wood infesting borers, carpenter ants and carpenter bees. In addition, controls many common pests in lawns and other outdoor areas around the home.*

**DO NOT USE INSIDE DWELLINGS**

EPA Reg. No. 279-GRAO

EPA Est. 279-

<b>Active Ingredient:</b>	<b>By Wt.</b>
Bifenthrin: (2-methyl [1,1'-biphenyl]-3-yl) methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropane carboxylate*	7.9%
<b>Inert Ingredients:</b>	92.1%
	100.0%

Talstar® Soil Insect & Termite Killer contains 1/2 pound active ingredient per gallon.

\*Cis isomers 97% minimum, trans isomers 3% maximum.  
U.S. Patent No. 4,238,505

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

See other panels for additional precautionary information.

### FIRST AID

**IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

**IF IN EYES:** Flush with plenty of water. Call a physician if irritation persists.

#### Note to Physician:

This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

For Emergency Assistance Call: (800) 331-3148



FMC Corporation  
Agricultural Products Group  
Philadelphia PA 19103



ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAR 12 1998

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

279-3169

**OUTDOOR USE ONLY** [Tree Icon]

**CONTROLS:** *Ants, Subterranean Termites, Wood Borers, Carpenter Ants, Fleas, Ticks, Spiders, Scorpions, and Many Other Soil Insects and Home Invading Pests*

## PRECAUTIONARY STATEMENTS

### Hazards to Humans (and Domestic Animals)

#### CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust (vapor or spray mist).

### Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops if bees are visiting the treatment area.

## 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 through any kind of irrigation system.

**Storage:** Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place, preferably in a locked storage area and avoid excess heat. Carefully open containers. After partial use replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers.

**Product Disposal:** Partially filled plastic bottle - Securely wrap original plastic bottle in several layers of newspaper and put in trash.

**Container Disposal:** Do not reuse empty plastic bottle. Wrap plastic bottle and put in trash.

### General Applications Instructions

Talstar® Insect & Termite Killer formulation mixes readily with water and may be applied using various types of spray equipment.

**Mixing Instructions:** For 0.06% emulsion, mix 1 fl.oz. Talstar® Insect & Termite Killer per gallon of water (1 fl.oz. = 2 tablespoons). Do not use household utensils to measure Talstar® Insect & Termite Killer.

#### Home Invading Pests (Outside Dwelling)

Ants, Bees, Beedles (1), Box Elder Bugs, Carpenter Ants (1), Carpenter Bees (1), Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Elm Leaf Beetles, Fleas, Flies, Hornets, House Flies, Millipedes, Mosquitoes, Scorpions (2), Silverfish, Sowbugs, Spiders, Springtails, Ticks, Wasps, Yellowjackets.

**NOTE:** Number in parenthesis refer to Specific Directions. (1) For added information, see section on Treatment For Wood Destroying Pests. (2) For Scorpions, remove accumulations of lumber, firewood, and other materials which serve as harborage sites and treat beneath and adjacent to infested areas

#### Pest Control on Outside Surfaces and Around Buildings

For control of Ants, Bees, Biting Flies, Boxelder Bugs, Centipedes, Cockroaches, Crickets, Earwigs, Elm Leaf Beetles, Firebrats, Fleas, Flies, Millipedes, Mosquitoes, Pillbugs, Silverfish, Sowbugs, Spiders, Ticks, and Wasps.

Apply Talstar® Insect & Termite Killer using a 0.03 to 0.06% emulsion as a residual spray to outside surfaces of buildings including, but not limited to, exterior siding, foundations, porches, window frames, eaves, patios, garages, refuse dumps, lawns such as grass areas adjacent or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, garages, fence lines, storage sheds, barns, and other residential and non-commercial structures, soil, trunks of woody ornamentals and other areas where pests congregate or have been seen.

For 0.03% emulsion, mix 0.5 fluid oz. of Talstar® Insect & Termite Killer per gallon of water. For 0.06% emulsion, mix 1 fluid oz. Talstar® Insect & Termite Killer per gallon of water (1 fluid oz. = 2 tablespoons). Do not use household utensils to measure Talstar® Insect & Termite Killer. Use the higher rate for heavy pest infestation, quicker knockdown or longer residual control. Repeat treatment as necessary to maintain effectiveness.

**Perimeter Treatment:** Apply to a band of soil and vegetation 6 to 10 feet wide around and adjacent to the structure. Also, treat the foundation of the structure to a height of 2 to 3 feet. Use a spray volume of 2 to 10 gallons of emulsion per 1000 square feet. Higher volumes of water may be needed if mulch or leaf litter is present or foliage is dense. House siding may be treated if pests such as Gypsy Moth adults and caterpillars, Boxelder Bugs, Elm Leaf Beetles, Earwigs or Silverfish are present.

#### Treatment For Wood Destroying Pests (Outdoors)

**Localized Areas Outdoors:** For the control of insects such as termites, ants, carpenter ants, and wood-infesting beetles such as Old House Borer and Powder Post in localized areas of infested wood around structures, apply a 0.06% 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. Paint on or fan spray applications may also be used. Application may be made to accessible areas by drilling, and then injecting emulsion with a crack crevice injector into the damaged wood or void spaces. This type of application is not intended to be a substitute for soil treatment, mechanical alteration or fumigation to control extensive infestation of wood-infesting insects.

For wood piles and stored lumber apply a 0.06% emulsion. Use a hose-end sprayer or sprinkling can to deliver a coarse drenching spray. Do not use in structures

#### Fence Posts - Termite Prevention

Create an insecticidal barrier in the soil around wooden constructions such as signs, fences and landscape ornamentation by applying a 0.06% emulsion.

Previously installed poles and posts may be treated by sub-surface 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 insecticidal barrier around the pole. Use 1 gallon of emulsion per foot of depth for poles and posts less than six inches in diameter. For larger poles, use 1.5 gallons of emulsion per foot of depth. Apply to a depth of 6 inches below the bottom of the wood. For larger constructions, use 4 gallons per 10 linear feet per foot of depth.

**For Ant and Fire Ant Mounds use Talstar® Insect & Termite Killer 0.06% emulsion as Drench Method:** Apply 1-2 gallons of emulsion to each mound area by sprinkling the mound until it is wet and treat a 4 foot diameter circle around the mound. Use the higher volume for mounds larger than 12". For best results, apply in cool weather, such as in early morning or late evening hours, but not in the heat of the day. Treat new mounds as they appear.

### Lawn Pests

Armyworm, Lawn Moth Larvae (Sod Webworms), Dichondra Flea Beetles, Chinchbugs, Cutworms, European Crane Fly (Larvae), Fiery Skipper Larvae (California and Hawaii only), Tropical Grass Webworms (Hawaii only), Grasshoppers, Chiggers, Clover Mites, Earwigs, Fleas

#### Attention:

Keep children and pets off treated areas following application until the area has dried.

Do not use on vegetables or food crops.

Do not treat pets with this product. Do not spray inside dwellings.

**NOTE:** Mosquitoes outdoors coming to rest on areas treated for the control of lawn and home invading pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

### Dealers Should Sell in Original Packages Only

**Terms of Sale or Use:** On purchase of this product buyer and user agree to the following conditions:

**Warranty:** FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

**Use of Product:** FMC's recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice.

**Damages:** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

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