

279-3218

12/7/2000

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

December 7, 2000

Mr. Michael Zucker
FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103

Subject: Reformat Label and Add Advisory Statements per PR Notice 2000-5
Talstar® 2.4% ME Insecticide/Miticide
EPA Reg. No. 279-3218
Your Submissions Dated September 27 and October 12, 2000

Dear Mr. Zucker:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

- 1) We understand that you are subregistering (providing a supplemental distribution) to the Scotts Company. Please be advised that since your product is sold in Child Resistant Packaging that both FMC and the Scotts company are responsible for the Scotts product to be in Child Resistant Packaging. Additionally, if the Scotts Company Child Resistant Packaging differs from that of FMC separate certification will need to be submitted and approved by the Agency.
- 2) Please revise your 5 year protection claim ("Keeps termites away for up to 5 years") to read "Keeps termites away for up to 5 years in areas treated".
- 3) Please remove the statement "Treats 66% more trench than Ortho-Klor" and "Replaces [ORTHO] Ortho-Klor" per 40CFR 156.10(a)(5).

If you have any questions regarding this action, please contact Tracy Keigwin of my team at (703) 305-6605.

Sincerely,

A handwritten signature in black ink that reads "George T. LaRocca".

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

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Talstar® 2.4% ME Insecticide/Miticide

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[FRONT]

Talstar®

Talstar® 2.4% ME Insecticide/Miticide

CONCENTRATE

ACCEPTED
W/ COMMENTS
in EPA Label Draft

DEC - 7 2000

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

279-3218

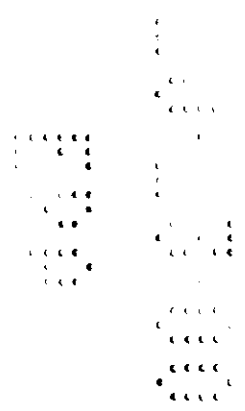
[icon] OUTDOOR HOMEOWNER POST CONSTRUCTION USE ONLY

- [banner] KEEPS TERMITES AWAY FOR UPTO 5 YRS
- [banner] KILLS CARPENTER ANTS
- [banner] KILLS ON CONTACT [GUARANTEED]
- [banner] TREATS UPTO 10600 SQ. FT.
- [banner] 1 QUART MAKES 64 GAL. FOR BROADCAST INSECT APPLICATION
- [banner] 1 QUART MAKES 10 GAL. FOR TERMITE CONTROL
- Controls/Kills Wood Destroying Insects
- Replaces [ORTHO] Ortho-Klor
- Treats 66% more trench than Ortho-Klor

Also Kills Ticks
That May Transmit
Lyme Disease

Active Ingredient
 Bifenthrin 2.4%
 Other Ingredients 97.6%

KEEP OUT OF REACH OF CHILDREN
 CAUTION See back panel booklet for
 additional precautionary statements.
 NET 32 FL OZ (1 QT) 946 mL



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[BACK COVER PAGE]

Talstar®

Talstar® 2.4% ME Insecticide/Miticide

[corner flap]

OPEN

**Resealable Label
for Directions &
Precautions**

PRESS TO RESEAL [Placed on base of label.]

An easy to apply product to control wood-destroying, home-invading and lawn insects.

Talstar® 2.4% ME should be shaken well before use.

Product Facts	
Treats up to 10,600 sq. ft.	
KILLS INSECTS	Termites, carpenter ants and other insects including argentine ants, boxelder bugs, carpenter bees, chinch bugs, clover mites, crickets, elm leaf beetles, firebrats, fleas, grasshoppers, German cockroaches, harvester ants, sod webworms, millipedes, mole crickets, mosquitoes, pharaoh ants, scorpions, spiders, termites (workers and winged), and ticks
WHERE TO USE	Lawns, porches, patios, foundations, wood piles and stored lumber
AMOUNT TO USE	<ul style="list-style-type: none"> • Termites: 3.2 fl oz (6 1/2 Tbs.) per gallon of water for each 2 1/2 linear feet of trench • All other pests: 0.5 fl oz (1 Tbs.) per gallon of water sprayed over 167 sq. ft.
HOW TO APPLY	Easy to apply with Ortho Dial 'N Spray, or Ortho Lawn & Garden tank sprayer.
[phone icon]	Questions, Comments or Medical Information call 1-800-321-1362 www.fmc-apgspec.com

Specially formulated for residential use.
DO NOT USE INSIDE DWELLINGS

Manufactured by:
The FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103

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EPA Reg. No. 279-3218
EPA Est. 279-

Made in USA

[BACK]

DIRECTIONS FOR USE

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

Talstar[®] 2.4% ME Insecticide/Miticide is a high-performance product. Talstar 2.4% ME has a long residual, providing up to 16 weeks control of Cockroaches and up to 12 weeks control of other pests. Talstar 2.4% ME is:

- Virtually odor-free
- Fast-acting
- Water-based
- Easy-to-use
- Non-staining
- Broad-spectrum
- Kills Ants, Earwigs, Fleas, Insects, Mites, Roaches, Silverfish, Spiders, Ticks & Other Listed Pests
- For Outdoor Use Only

1 Tablespoon (Tbs.)=3 teaspoons (tsp.) 1 fl oz = 2 Tbs. 4 fl oz = 1/2 cup. Do not use household utensils to measure Talstar[®] 2.4% ME Insecticide/Miticide

SUBTERRANEAN TERMITES (OUTDOORS)

Kills and control subterranean termites. Chemicals for soil treatment are used to establish a barrier against termites. The chemical emulsion must be adequately dispersed in the soil to provide a barrier between the wood in the structure and the termite colonies in the soil. Barriers may be established in the soil on the outside perimeter of the house by trenching using a rate of 4 gallons of emulsion per 10 linear feet per foot of depth. A complete termite barrier may require treatment with another EPA registered product to the inside perimeter of the foundation and to other interior critical areas. For these situations contact a licensed pest control operator for treatment. Prevents subterranean termite infestations. For

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outdoor homeowner post-construction use only. DO NOT use under slabs, in crawl spaces or indoors. If termites are found within the house or structure, contact a licensed pest control operator for treatment.

MIXING INSTRUCTIONS for Termites
USE A SPRINKLING CAN. Add 3.2 fl oz (6 1/2 Tbs.) to 1 gallon of water for each 2 1/2 linear feet*.

* 1 quart of Talstar® 2.4% ME Insecticide/Miticide will make 10 gallons of diluted solution and covers 25 linear feet.

HOW TO APPLY

Trench Treatment

- Remove all wood debris and wood forms.
- **Poured Concrete Foundations:** Dig a trench next to the foundation 6 inches wide and 4 inches deep or down to the top of the footing, whichever is less.
- **Brick and Block Foundations:** Dig a trench 6 inches wide and 12 inches deep. If the footing is more than 12 inches deep, make holes with a crowbar, pipe or steel rod about 1 foot apart that extend from the bottom of the trench to the top of the footing. Make holes closer in hard packed clay soils.
- To avoid shifting your house foundation, never dig below the top of the footing.
- Apply the diluted solution (emulsion) in the trench at a rate of 4 gallons per 10 linear feet per foot of depth.
- Apply half volume of the diluted product with a sprinkling can in the trench. Apply other half to the backfill as the trench is refilled.

Fence Posts

- Use a sprinkling can. Pour 1/2 gallon of diluted product into fence post hole and add another 1/2 gallon to the soil when filling the hole so that all the fill soil is treated to form a protective barrier.

Fence Posts - Termite Prevention

Create an insecticidal barrier in the soil around wooden constructions such as signs, fences and landscape ornamentation.

- Previously installed poles and posts may be treated by gravity-flow through holes made from the bottom of the trench around the pole or post. Treat on all sides to create a continuous insecticidal barrier around the pole.

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- 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.

WHEN TO REAPPLY

Reapplication for subterranean termites should only be made when there has been a disruption of the chemical barrier in the soil due to construction, excavation, landscaping, etc. Reapplication should be made as a spot treatment to those areas. Annual reapplication of the entire premises must be avoided.

CARPENTER ANTS, CARPENTER BEES, WOOD DESTROYING BEETLES, AND OTHER HOME INVADING PESTS (OUTDOORS)

Ants (Including Carpenter ant, red harvester, pavement, odorous pyramid, Argentine and pharaoh) carpenter bees, beetles, boxelder bugs, centipedes, chiggers, crickets, earwigs, firebrats, fleas, German cockroaches, house flies, hornets, millipedes, scorpions, silverfish, sowbugs, spiders (including black widow and brown recluse), springtails, ticks, wasps, wood destroying beetles, and yellow jackets-OUTDOORS

For use against hornets, wasps and yellow jackets: Application should be made in the late evening when insects are at rest. Aim spray at nest openings in ground, bushes and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible.

MIXING INSTRUCTIONS for Home Invading Pests

AMOUNT TO USE

When using a tank sprayer

- 0.5 fl oz (1 Tbs.) per gallon of water to be sprayed over 167 sq. ft.

When using the Ortho® Dial 'N Spray®

1. Set dial to 0.5 fl oz.
2. Add 3.2 fl oz (6 1/2 Tbs.) to sprayer jar. DO NOT add water.
3. Spray evenly over 1,000 sq. ft until jar is empty.

Treatment For Wood Destroying Pests (Outdoors)

AMOUNT TO USE

When using a tank sprayer

- 0.5 fl oz (1 Tbs) per gallon of water to be sprayed over 167 sq. ft.

When using the Ortho® Dial 'N Spray®

1. Set dial to 0.5 fl oz.
2. Add 3.2 fl oz (6 1/2 Tbs.) to sprayer jar.
3. DO NOT add water.
4. Spray evenly over 1,000 sq. ft until jar is empty.

HOW TO APPLY

- Measure lawn. Calculate square feet by multiplying length times width. *[walking man icon]*
- Spray evenly over measured area. Treat entire lawn.

WHEN TO REAPPLY

- Repeat application is necessary only if there are signs of renewed insect activity. Repeat application should be limited to no more than once per seven days.

MOSQUITOES (OUTDOORS)

Mosquitoes coming to rest on areas treated for the control of lawn and home-invading pests will be killed for varying periods of time after application, depending on exposure of treated areas to environmental conditions.

For Ant and Fire Ant Mounds use Talstar 2.4% ME as a 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.

IMPORTANT: [Increase font to that used for headers and add box]

DO NOT treat structures that contain cisterns, wells, french drains or sump systems. Soil in the vicinity of wells, cisterns or ponds should not be treated. For those situations, contact your County Cooperative Extension Agent or consult a commercial pest control service. DO NOT treat soil that is water saturated or frozen, or in any conditions where run-off or movement from

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the treatment area (site) is likely to occur. DO NOT apply while it is raining. DO NOT use on pets. DO NOT use on edible or ornamental plants. Spray drift onto these plants should be rinsed off immediately with water.

STORAGE AND DISPOSAL [Add box around heading.]

STORAGE: Keep out of reach of children and animals. Store in original containers only. Protect from freezing. 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 drink containers.

DISPOSAL: PRODUCT - Partially filled plastic bottle: Securely wrap original plastic bottle in several layers of newspaper and put in trash. **CONTAINER** - Do not reuse empty plastic bottle for concentrate. Wrap plastic bottle and put in trash.

PRECAUTIONARY STATEMENTS [Add box around heading.]

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

[Reentry icon] People and pets may enter treated area after application has dried.

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and

	<p>gently with water for 15-20 minutes.</p> <ul style="list-style-type: none"> • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-(800)-331-3148 for Emergency Assistance.	
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 Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).	

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 or rinsate. 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 of 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. [Add CR.]

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

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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.

NOTICE: Buyer assumes all risks of use, storage or handling of this product not in accordance with directions.

Talstar and FMC - Registered trademarks of the FMC Corporation.

[phone icon] **Questions, Comments or Medical information**
call 1-800-321-1FMC (1362) www.fmc-apgspec.com

Manufactured by:
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