

PM 13

279-3130

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DEC 5 1996

Handwritten calculations: 300, 509432, 301, 578430, 171

John F. Wright
FMC Corp. Agricultural Products Group
1725 Market St.
Philadelphia, PA 19103

Dear Mr. Wright:

Subject: Amendment - Product Name Change
Talstar Nursery Granular Insecticide
EPA Reg. No. 279-3130
Your Letters Dated October 13, 1995 and July 3, 1996

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with the following exceptions:

- 1. The statement of practical treatment for dermal exposure states:

"IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation occurs and persists."

The problem with this statement is that "if irritation occurs and persists" is not an Agency approved statement, and, this statement is one that pertains to hazards posed by skin irritation. In a 3/18/92 review, this product was classified as toxicity category IV for skin irritation and toxicity category III for acute dermal toxicity. Thus, the requirement for the "If On Skin" statement of practical treatment is based on the acute dermal toxicity and not primary skin irritation. This statement must be changed to:

"If On Skin: Wash with plenty of soap and water. Get medical attention."

If you would like to change the statement of practical for dermal exposure to a less severe one, you would have to demonstrate that this product is less toxic by having it classified toxicity category IV in an acute dermal toxicity study.

- 2. Concerning your pesticide disposal statement, it does not appear that "Pesticide wastes are toxic" is appropriate for your product. Your toxicity profile is has no studies that were placed into toxicity category I or II. The active ingredient itself does not prompt that statement nor

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does your product appear to contain any inert ingredients that are of toxicologic concern. Unless you have a specific reason for the statement "Pesticide wastes are toxic", this statement must be related with the previous statement.

Submit two copies of your final printed labeling before you release the product for shipment. A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

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

Code 1684

Net Contents



Nursery GRANULAR INSECTICIDE

ACCEPTED
with COMMENTS
in EPA Letter Dated

DEC 5 1996

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

279-3130

For Agricultural or Commercial Use Only
For Use as a Quarantine Treatment Against Imported
Fire Ants and for Balled and Containerized Nursery
Stocks

EPA Reg. No. 279-3130

EPA Est. 279-

Active Ingredient:	By Wt.
Bifenthrin: (2 methyl [1,1'-biphenyl]-3-yl) methyl- 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2- dimethylcyclopropanecarboxylate*	0.2%
Inert Ingredients	99.8%
	<hr/> 100.0%

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

STATEMENT OF PRACTICAL TREATMENT

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, or if available by administering syrup of ipecac. If person is unconscious, do not give anything by mouth and do not induce vomiting.

IF INHALED: Remove 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 irritation occurs and persists.

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

Note to Physician:

This product is a pyrethroid. If large amounts have been ingested, milk, cream and other digestible fats and oils may increase absorption and so should be avoided.

For Emergency Assistance Call: (800) 331-3148.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See other panels for additional precautionary information.

**PRECAUTIONARY STATEMENTS
Hazards to Humans (and Domestic Animals)**

Caution

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

Personal Protective Equipment:

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Waterproof gloves
- Shoes and socks

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.

User Safety Recommendations:

Users 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 thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. 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 apply when weather conditions favor drift from treated areas. 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.



FMC Corporation
Agricultural Products Group
Philadelphia PA 19103

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 restricted entry interval (REI) of 12 hours. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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
- Waterproof gloves
- Shoes and socks

STORAGE AND DISPOSAL

Prohibitions

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use close tightly.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: (800) 331-3148.

To confine spill: Cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal

Pesticide wastes are toxic. Do not contaminate water, food or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA regional office for guidance.

Container Disposal

Paper and plastic bags: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

ORNAMENTAL USE

(For soil incorporation into potting media used in containerized plantings of ornamental trees, shrubs, plants, flowers, conifers, Christmas trees, and non-bearing fruit and nut trees, and bushes.)

Application instructions for Potting Media: Determine bulk density of the potting media by measuring the dry weight of a unit volume of the media. Based on the length of control required, thoroughly mix the appropriate quantity of the Talstar® Granular insecticide with equipment suitable to give uniform distribution in the potting media. Talstar Granular insecticide may be pre-mixed with an appropriate amount of sand (1:10) to ensure adequate distribution of the product of the mix.

Talstar Granular insecticide is approved under the USDA Plant Protection Imported Fire Ant Quarantine Certification program when used in accordance with USDA guidelines. Use the recommended application rates given in the table below to determine the length of control required for certification.

Pest	USDA IFA Certification Period (mo)	App. Rate (ppm)	Potting Media Bulk Density* (lbs. Talstar Granular Insecticide Per Cubic Yard)				
			200	300	400	500	600
Imported Fire Ant	0-6	10	1.0	1.5	2.0	2.5	3.0
	7-12	12	1.2	1.8	2.4	3.0	3.6
	13-24	15	1.5	2.25	3.0	3.75	4.5
	Continuous	25	2.5	3.75	5.0	6.25	7.5

Comments: Incorporate appropriate amount of Talstar Granular insecticide in one cubic yard of potting media based on the known bulk density.

For General Use On Ornamental Plants outside the scope of USDA guidelines

For Fungus Gnat larvae & Mealybugs use 5 to 10 ppm. For Black Vine Weevil larvae, Root Weevil larvae, White Grubs & Imported Fire Ants use 10 to 25 ppm. Use the higher rates for extended residual control.

App. Rate (ppm)	Potting Media Bulk Density* (lbs. Talstar Granular Insecticide Per Cubic Yard)				
	200	300	400	500	600
5	0.5	0.75	1.0	1.25	1.5
10	1.0	1.5	2.0	2.5	3.0
15	1.5	2.25	3.0	3.75	4.5
25	2.5	3.75	5.0	6.25	7.5

Comments: Incorporate appropriate amount of Talstar Granular insecticide in one cubic yard of potting media based on the known bulk density.

*lbs. of Talstar Granular insecticide per cubic yard
 = $\frac{\text{bulk density of potting media} \times \text{ppm}}{2000}$

(bulk density = laboratory determined dry weight of a unit volume of potting media.)

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.

Directions and Recommendations: Follow directions carefully. Timing, method of application and weather conditions, mixture with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller and are assumed by the buyer at his own risk.

Use of Product: FMC's recommendations for the 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.

Talstar and ~~TM~~ —FMC Trademarks