

Reg # 45639-151

PM-19

File 198

United States Environmental Protection Agency
Washington, D.C. 20460

OCT 4 1993

Office of
Prevention, Pesticides and
Toxic Substances

Richard R Stevens
NOR-AM CHEMICAL COMPANY
3509 SILVERSIDE ROAD
WILMINGTON DE 19803

Subject: Label Amendment Submission of 06/03/93
in Compliance with WPS Labeling Requirements
EPA Reg No. 45639-151
TURCAM FERTILIZER GC

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted subject to the comments listed below.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notices 93-7 and 93-11, which reflect the WPS labeling requirements of 40 CFR part 156, subpart K. Any other labeling changes submitted in connection with this amendment application and not directly related to compliance with PR Notice 93-7 or 93-11 have neither been reviewed nor accepted by the Agency. If you wish to make any such changes, you must submit a separate amendment application proposing them. If your product registration is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

A copy of your proposed labeling stamped "Accepted with comments" is attached. Make any required changes described in the attached and send three copies of final labeling as soon as it is available to:

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Document Processing Desk (FIN-LABEL)

298
Office of Pesticide Programs (H-7504C)
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460-0001

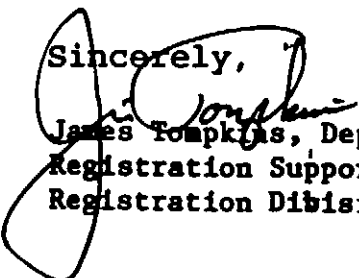
Hand or courier deliveries of final labels may be made to:

Document Processing Desk (FIN-LABEL)
Room 266A Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Please correct the typographical errors circled on the draft before printing final labeling.

In your final labeling the "Agricultural Use Requirements" text must be contained in a clearly separate box. This box may be set apart by a line, by another graphical device, by a different color background, or in any other way that clearly distinguishes it from surrounding text.

Sincerely,


James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

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NOR-AM CHEMICAL COMPANY
TURCAM FERTILIZER GC
45639-151 06/03/93
Original Submission

Remove the statement "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." from its current position above the Agricultural Use Requirements box and place it above the REI statement.

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SPECIMEN LABEL

PROPOSED LABEL

RESTRICTED USE PESTICIDE Due to Aquatic and Avian Toxicity
For retail sale to, and use only by, Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Turcam[®] FERTILIZER GC

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INSECTICIDE ON FERTILIZER

For Use on Turf and Ornamental Trees and Shrubs
Do Not Use on Food Crops

ACTIVE INGREDIENT:

Benflumethion 22.1% (as Benflumethion 95% DF)

INERT INGREDIENTS:

By Weight

2.5%

97.5%

TOTAL

100.0%

*Patented by U.S. Patent No. 3,733,544

EPA Reg. No. 45639-151

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

THIS PRODUCT IS AN N-METHYL CARBAMATE

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by taking 15 mg of ipecacuanha (e.g., ipecac syrup) or 15 mg of 1% sodium bicarbonate solution. Do not induce vomiting if the person has lost consciousness or is unconscious. Call your local Poison Control Center for further instructions. Do not induce vomiting by mouth to mouth and do not use syrup of Ipecac.

IF INHALED: Remove person to fresh air. Administer first aid as recommended.

IF ON SKIN: Remove contaminated clothing. Wash affected area with soap and water. Do not use solvents or oils.

IF IN EYES: Flush eyes with water for 15 minutes. Do not use eye drops.

NOTE TO PHYSICIAN: For first aid information, see the back panel. For medical treatment, see the back panel. For further information, see the back panel.

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY INFORMATION

NOR-AM

NOR-AM Chemical Company

See Safety Product Label for
First Aid Information
2000-0000-0000
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NET CONTENTS:

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

WARNING

Harmful or fatal if swallowed. Do not breathe dust. Avoid contact with eyes, skin and clothing. May be absorbed through the skin.

Avoid contamination of feed and foodstuffs.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

> Long-sleeved shirt and long pants

> Shoes plus 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.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (6) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

Do not contaminate water when disposing of equipment washwaters.

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

IN CASE OF FIRE, LEAKY, OR DAMAGED CONTAINERS, OR OTHER EMERGENCY, REPORT AT ONCE BY TOLL-FREE TELEPHONE TO: 800-424-9300.

STORAGE AND DISPOSAL

STORAGE: Stable at normal temperatures. Store in a dry place.

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: Poly Jar—Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

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 in your State 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 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 the restricted entry interval (REI) of 12 hours. 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 plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets off treated area during irrigation and until area has dried.

GENERAL INFORMATION: TURCAM® FERTILIZER GC is a broad spectrum residual insecticide for the control of certain insects on ornamental trees, shrubs, and turf.

Do not apply more than 240 lbs. of TURCAM FERTILIZER GC per acre per year. Spring applications must not exceed 120 lbs. of TURCAM FERTILIZER GC per acre.

ACCEPTED
with COMMENTS
In EPA Letter Dated

OCT 1 1993

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

45639-151

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ENDANGERED SPECIES RESTRICTIONS: The use of any pesticide in a manner that may kill or otherwise harm an endangered or threatened species or adversely modify their habitat is a violation of federal laws. The use of this product on golf courses and sod farms in San Bernardino County, California and on the islands of Hawaii and Maui is prohibited.

ORNAMENTAL TREES, SHRUBS, AND TURF RECOMMENDATIONS: Use TURCAM FERTILIZER GC to control specified pests of ornamental turf and of the following nonedible ornamental trees and shrubs: Abies, Acer, Arborvitae, Azalea, Barberry, Birch, Boxwood, Brassaia, Camellia, Cedar, Cephalotuxus, Cercis, Cherry, Cornus, Cotoneaster, Crateagus, Crape Myrtle, Euonymus, Fatsia, Ficus, Fountain grass, Flowering almond, Flowering crabapple, Gardenia, Hemlock, Hydrangea, Ilex, Ixora, Japanese yew, Juniper, Ligustrum, Lilac, Loquat, Mahonia, Mimosa, Mock Orange, Nandina, Oleander, Pachysandra, Photinia, Picea, Pieris, Pine, Poinsettia, Pomegranate, Poplar, Prunus spp., Pseudotsuga, Pyracantha, Pyrus, Rhododendron, Rose, Sage palm, Schefflera, Spirea, Sycamore, Taxus, Thuja, Tsuga, Viburnum, Weigela, Yaupon.

Apply TURCAM FERTILIZER GC to give complete and uniform coverage of the pest-infested areas. Applications should be made using the rates shown below:

Pest	Dosage of Product	Application Procedure
White grubs of: Japanese beetle, Black turf grass Atanorhin, European chafar, Northern masked chafar, Green June beetle, Anax's white grub (Cyclocephala immutabilis) Male crickets	80 to 120 lbs per acre (1.9 to 2.8 lbs per 1000 sq ft)	Apply when pests become evident. Control of grubs is best when they are still small; therefore, late sum- mer treatments are prefer- able to spring. Apply uniformly to assure coverage. In order to improve efficacy, irrigate as soon as possible with 1/4-1/2 inches of water.
Chinchbugs, Leafhoppers, Sod webworms, Ants, Brown dog ticks, Centipedes, Crickets, Earwigs, Firebrats, Flies, Ground beetles, Millipedes, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders.	40 to 80 lb. per acre (0.9 to 1.9 lbs. per 1,000 sq. ft.)	Apply when pests are evi- dent. Use adequate quantity of water to thoroughly moisten grass and thatch.

Allow 10 days between applications of TURCAM FERTILIZER GC.

LANDSCAPE PLANT RECOMMENDATIONS:

Use TURCAM FERTILIZER GC to control specified pests of nonedible ornamental landscape plants including, but not limited to: Ageratum, Azarina, Begonia, Calendula, Celosia, Chrysanthemum, Coleus, Daffodil, Dahlia, Dianthus, Ferns Fuchsia, Gazania, Geranium, Holly, Hypoestes, Impatiens, Iris, Ivy, Kalendra, Lily of the Valley, Merigold, Nasturtium, Nicotiana, Pansy, Petunia, Portulaca, Salvia, Shasta daisy, Snapdragon, Verbena, Vinca, and Zinnia.

Apply TURCAM FERTILIZER GC to give complete and uniform coverage of the pest-infested areas. Applications should be made using the rates in the above table and applied below or around the landscaped area.

PLANT SAFETY

TURCAM FERTILIZER GC has demonstrated excellent plant safety; however, all species and varieties have not been tested. When treating large numbers of plants of a single variety, treat a few plants and observe prior to full scale application.

FERTILIZER ANALYSIS

Total Nitrogen (N) 18%
Phosphorus (P) 5%
Potash (K) 7%

Fertilizer guarantee will vary as customer needs vary. All fertilizer ingredients will meet current guidelines for inert ingredients.

APPLICATION EQUIPMENT: TURCAM FERTILIZER GC is a granular formulation. Apply with a fertilizer spreader or equivalent equipment as uniformly as possible.

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The following table lists application equipment and recommended settings for that equipment for the application of TUR-CAM FERTILIZER GC:

RECOMMENDED SETTINGS

Spreader Model	Pounds of Product per Acre	Once Over	Twice Over	Swath Width
SPYKER (Rotary)	80	3.9	3.4	6 ft.
LESCO (Rotary)	80	D $\frac{1}{4}$	—	8 ft.
CYCLONE (B-1, 30, 96)	80	4.0	—	—
PRIZELAWN-CBR	80 120	4.5 5.0	— —	Same as spreader width
GANDY DROP	80 120	30 34	— —	30 inches 30 inches
SCOTT DROP	80 120	6 $\frac{1}{4}$ 8	— —	21 inches 21 inches
SCOTT R-7x	80 120	F- $\frac{1}{2}$ H- $\frac{1}{2}$	— —	9 ft. 9 ft.
SCOTT R-8A	80 120	L M- $\frac{1}{2}$	— —	10 ft. 10 ft.
VICON or LESCO Pendulum	80	18	—	15 ft. at 5 mph
LELY HR spreader assembly setting #3	120	4 (right discharge gate opening $\frac{3}{4}$ ")	—	23 ft. with a PTO speed of 510 and RPM 1700 at 5 mph

IMPORTANT: Please note that these settings are approximate as the condition of each piece of equipment can affect actual rates of application. Settings should be made after a calibration check is completed.

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IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond NOR-AM Chemical Company's control, it is impossible for NOR-AM to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OR MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES, OR DAMAGE RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT NOR-AM'S ELECTION, THE REPLACEMENT OF PRODUCT.

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