

Reg # 45639-100

PM-19

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 11-30-93

(A)


 United States Environmental Protection Agency
 Office of Pesticide Programs (H7505C)
 Washington, DC 20460

Application for Pesticide:

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

161161

Section I

1. Company/Product Number 45639-100	2. EPA Product Manager Dennis Edwards	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) TURCAM 2-1/2G	PM# 19	
5. Name and Address of Applicant (Include ZIP Code) NOR-AM Chemical Company Little Falls Centre One 2711 Centerville Road Wilmington, DE 19808 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION: Compliance with PR-Notice 93-3

NOTIFICATION
LABEL NOT REVIEWED
PER PR NOTICE 93-3
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DATE 7/1/93

Section III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," Unit Package wgt. _____ No. per container _____	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," Package wgt. _____ No. per container _____	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner in Which Label is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other (_____)

Section IV

1. Contact Point (Complete items direct/ below for identification of individual to be contacted, if necessary, to process this application.)			
Name Richard R. Stevens	Title Registration Project Manager	Telephone No. (Include Area Code) 302-892-3034	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature <i>Richard R. Stevens</i>	3. Title Registration Project Manager		
4. Typed Name Richard R. Stevens	5. Date June 3, 1993		

SPECIMEN LABEL

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NOTIFICATION
LABEL NOT REVIEWED
PER FR NOTICE 88-6

DATE 7/1/93

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® 2½G

INSECTICIDE

For Use on Ornamental Trees, Shrubs and Turf
DO NOT USE ON FOOD CROPS

ACTIVE INGREDIENTS:

Bendiocarb (2,2-dimethyl-1,3-benzodioxol-4-yl-
methoxycarbamate)

By Weight

2.5%

INERT INGREDIENTS:

97.5%

TOTAL

100.0%

*Patentably U.S. Patent No. 3,736,338

EPA Reg. No. 45639-100

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Do not induce vomiting. Take person to hospital immediately. Do not
give anything by mouth. Call Poison Control Center for further instructions. Do not
induce vomiting. Do not give anything by mouth.

IF INHALED: Remove person to fresh air.

IF ON SKIN: Wash with plenty of water. Remove contaminated clothing. Wash exposed
skin with plenty of water.

IF IN EYES: Flush with plenty of water.

NOTE TO PHYSICIAN: For treatment of acute poisoning, consult the Material Safety
Data Sheet for this product.

SEE LABEL FOR ALL OTHER PRECAUTIONARY INFORMATION.

NOR-AM
NOR-AMERICAN CORPORATION

1000 W. 10th Street
Lawrence, Kansas 66044
1-800-441-1111
© 1993 Nor-Am Corp.

Net Weight:

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PRECAUTIONARY STATEMENTS **HAZARD TO HUMANS AND** **DOMESTIC ANIMALS** **CAUTION**

Harmful if swallowed. Do not take internally. Do not breathe dust. Avoid contact with skin, eyes, or clothing. May be absorbed through the skin. Wear long sleeves. Change clothing daily. Wash hands thoroughly after handling. Keep children and pets off treated area during irrigation and until area has dried. Avoid contamination of feed and foodstuffs.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Avoid overlapping granules. Avoid applications to bare soil or thin grassy areas where product may be more readily consumed by birds feeding on areas of exposed soil. Also avoid applications in ecologically sensitive areas (e.g., adjacent to wetlands or wildlife preserves) or to areas where birds are known to feed (i.e., near bird feeders or near ponds where waterfowl graze or feed). Subsurface application is recommended for grubs and mole crickets. 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 by cleaning of equipment or disposal of waste. Collect, cover or incorporate granules spilled on soil surface.

This product is highly toxic to bees exposed to direct treatment or residues on plants. Protective information may be obtained from your Cooperative Agricultural Extension Service.

IMPORTANT: Read the entire Directions for Use and Disclaimer of Warranties before using this product.

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

DIRECTIONS FOR USE

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

Store this product in its original, closed container in a dry, locked area away from children and domestic animals. Do not reuse empty container.

PESTICIDE DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse bag. Discard bag in trash.

GENERAL INFORMATION: TURCAM® 2½G 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 2½G per acre per year. Spring applications must not exceed 120 lbs. of TURCAM 2½G per acre.

Irrigation prior to application in dry conditions may improve product performance.

Use on established turf; do not apply to thin turf with exposed soil.

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 2½G to control specified pests of ornamental turf and of the following nonedible ornamental trees and shrubs: Abies, Acer, Arborvitae, Azalea, Barberry, Birch, Boxwood, Brassia, Camellia, Cedar, Cephalotaxus, Cercis, Cherry, Cornus, Cotoneaster, Crataegus, 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.

APPLICATION PROCEDURES

Apply TURCAM 2½G to give complete and uniform coverage of the pest-infested areas. Applications should be made using the rates below.

For control of white grubs, apply when pests become evident. Control of grubs is best when they are still small; therefore late summer applications are preferable to spring. Irrigate as soon as possible, preferably within six hours after completing applications with ½-¾ inches of water to encourage movement of TURCAM 2½G into soil and to reduce chances of contact with non-target organisms.

For surface-feeding and surface-dwelling insects, apply when pests are evident. Use adequate quantity of water to moisten grass and thatch after application.

Apply TURCAM 2½G to give complete and uniform coverage of the pest-infested areas. Applications should be made using the rates shown below:

SURFACE APPLICATION

Pest	Dosage of Product	
	Lb/Acre	Lb/ 1,000 sq. ft.
White grubs of: Japanese beetle, Black turf grass Attenius, European chafer, Northern masked chafer, Southern masked chafer, Green June beetle, Annual white grub (<i>Cyclocephala Immaculata</i>) Mole crickets	80 to 120	1.9 to 2.8
Surface dwellers and/or feeders: Chinchbugs, Leafhoppers, Sod webworms, Ants, Brown dog ticks, Centipedes, Crickets, Earwigs, Firebrats, Fleas, Ground beetles, Millipedes, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders.	40 to 80	0.9 to 1.9

SUBSURFACE APPLICATION

Pest	Dosage of Product	
	Lb/Acre	Lb/ 1,000 sq. ft.
White grubs of: Japanese beetle, Southern masked chafer Mole crickets	80 to 120 50 to 80	1.9 to 2.8 1.1 to 1.8

Allow 14 days between applications of TURCAM 2½G.

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LANDSCAPE PLANT RECOMMENDATIONS:

Use TURCAM 2½G to control specified pests of nonedible ornamental landscape plants including, but not limited to: Ag-
eratum, Azarina, Begonia, Calendula, Celosia, Chrysanthemum, Coleus, Daffodil, Dahlia, Dianthus, Ferns Fuchsia, Gazania, Geranium, Holly, Hypoestes, Impatiens, Iris, Ivy, Kalendra, Lily of the Valley, Marigold, Nasturtium, Nicotiana, Pansy, Petunia, Portulaca, Salvia, Shasta daisy, Snapdragon, Verbena, Vinca, and Zinnia.

Apply TURCAM 2½G 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 2½G 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.

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APPLICATION EQUIPMENT: TURCAM 2½G is a granular formulation. Application using subsurface placement equipment is recommended for insects below the soil surface. Where this is not practical, apply with a fertilizer spreader or equivalent equipment as uniformly as possible.

For white grubs of Japanese beetle and Southern masked chafer, apply TURCAM 2½G 0.25-0.75 deep in 2-inch bands. For mole crickets, apply TURCAM 2½G 0.75-1.00 inch deep in 3-inch bands or less.

The following table lists application equipment and recommended settings for that equipment for the surface application of TURCAM 2½G:

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	D½	—	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	6¾ 8	— —	21 inches 21 inches
SCOTT R-7x	80 120	F-½ H-½	— —	9 ft. 9 ft.
SCOTT R-8A	80 120	L M-½	— —	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 ¾")	—	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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