

Reg # 45639-59

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	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number 161191
	Application for Pesticide:		
	Section I		

1. Company/Product Number 45639-59	2. EPA Product Manager Dennis Edwards	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) TURCAM	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

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NOTIFICATION LABEL NOT REQUIRED PER PR NOTICE 93-3
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	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	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) _____		
* Certification must be submitted.		if "Yes," Unit Package wgt.	No. per container	if "Yes," Package wgt.	No. per container
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 directly 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 	3. Title Registration Project Manager	
4. Typed Name Richard R. Stevens	5. Date June 3, 1993	

SPECIMEN LABEL

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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.

NOTIFICATION!
LABEL NOT REVIEWED
PER PR NOTICE 89-8

DATE 7/1/93

Turcam®

INSECTICIDE
For Use On Ornamental Trees, Shrubs, And Turf
DO NOT USE ON FOOD CROPS

ACTIVE INGREDIENT:	Percent by Weight
Bendiocarb (2,2-dimethyl-4-(3-benzoyloxy-4-ylmethoxy)carbamate)	76%
INERT INGREDIENTS:	24%
	TOTAL 100%

EPA Reg. No. 45639-59

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

KEEP OUT OF REACH OF CHILDREN

WARNING

HARMFUL OR FATAL IF SWALLOWED

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: ...

IF INHALED: ...

IF ON SKIN: ...

IF IN EYES: ...

NOTICE TO PHYSICIAN: ...

NOTE: ...

DO NOT REUSE THIS CONTAINER

NOR-AM

NET CONTENTS:

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

GENERAL INFORMATION: TURCAM® is a wettable powder containing 76% by weight active ingredient which has given effective knockdown and residual control of those insects listed.

TURCAM does not damage paints, plastics, fabrics or other surfaces where water alone causes no damage.

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

WARNING

Harmful or fatal if swallowed. May be absorbed through the skin. Avoid contact with eyes, skin and clothing. If contact occurs, wash skin and clothing immediately with soap and warm water, and eyes with clean water.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP WORK and get help right away. See First Aid (Practical Treatment) section.

Avoid breathing and working in spray mist or dust.

When applying in outdoor sites keep all unprotected persons, children, and animals away from treated area or where there is danger of drift.

Wash hands and exposed skin before eating, drinking, or smoking and after spraying or handling.

Wash all contaminated clothing thoroughly before re-use.

Do not permit children or pets to contact treated surfaces until spray has dried completely.

Do not use on or contaminate fruit, vegetables, or other feed or food crops.

Do not store near feed or food products.

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. TURCAM is intended for dilution with water for application with hand or power-operated sprayers. Do not use strainers finer than 50 mesh size. Fill spray tank with ¾ of desired volume of water, add appropriate amount of product and then add the remaining quantity of water. Close and agitate before use to insure proper suspension. Reagitate sprayer before use if spraying is interrupted. Do not allow to stand overnight. If water pH is greater than 8 add a commercial buffering agent to adjust water pH to 7 or less. The activity of TURCAM at pH 8 or greater may be reduced.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

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.

LANDSCAPE TREES (Non fruit bearing)

RECOMMENDATIONS

Spray TURCAM to the point of runoff for the insects listed below.

GYPSY MOTH

Egg Mass Treatment—Mix 4 ounces of TURCAM per 100 gallons of water and apply to egg masses until saturation. Application can be made up to 3 weeks before gypsy moth hatch.

Larval Treatment:

Residual Follar and Contact Spray: Mix 3 ounces TURCAM per 100 gallons of water and apply to the whole tree (wood and leaves). This will control all larval stages. If required for optimal control in heavily infested areas, applications can be made every two weeks.

Supplementary Residual Trunk Spray: When large larvae (1-2½", 4th-6th instars) are mobile and seeking resting places and a foliage spray is impractical, mix 2.5 pounds of TURCAM per 100 gallons of water and apply to tree trunks until fully saturated, making sure to treat cracks and crevices. A harborage (burlap or tape band) is required to keep the larvae on the treated surface. Applications can be made every two weeks if required for optimal control in heavily infested areas.

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EASTERN TENT CATERPILLARS

Use 3 ounces of TURCAM per 100 gallons of water.

FALL WEBWORM

Use 6 ounces of TURCAM per 100 gallons of water.

JAPANESE BEETLE, ELM LEAF BEETLE, WILLOW LEAF BEETLE (LARVAE), POPLAR TENTMAKER, YELLOWNECK CATERPILLAR, SPRING CANKERWORM, BAGWORM

Use 11 ounces of TURCAM per 100 gallons of water.

MIMOSA WEBWORM

Use 1 pound of TURCAM per 100 gallons of water.

PINE SPITTLEBUG, BRONZE BIRCH BORER

Use 1 lb. 5 ounces of TURCAM per 100 gallons of water. For Bronze Birch Borer, use three sprays spaced two weeks apart.

NANTUCKET PINE TIP MOTH

Use 2 pounds of TURCAM per 100 gallons of water. Spray at the time of moth flight for each generation. Consult local Cooperative Extension authorities regarding time of moth flights in your area.

PALES PINE WEEVIL, NORTHERN PINE WEEVIL

Use 2 lbs. 10 ounces of TURCAM per 100 gallons of water.

TURF RECOMMENDATIONS

Apply TURCAM as a coarse, low-pressure spray in sufficient water to obtain complete and uniform coverage of pest-infested areas.

SUBSURFACE PESTS	DOSAGE	APPLICATION PROCEDURE
White grubs of: Japanese beetle, Black turf grass Ateneus, European chafer, Northern masked chafer, Green June beetle, Annual white grub Mole crickets, Billbugs (larvae)	1 to 1.5 ounces per 1000 sq. ft.	Apply when pests become evident. Control of grubs is best when they are still small; therefore, late summer treatments are preferable to spring. Apply in adequate water to assure coverage. In order to improve efficacy, irrigate as soon as possible with 1/2-3/4 inches of water.
European Cranefly Larvae (Except California)	1.5 oz. per 1000 sq. ft.	Apply when pests become evident.

SURFACE PESTS	DOSAGE	APPLICATION PROCEDURE
Chinch bugs, leafhoppers, Sod webworms	.5 to 1 ounce per 1000 sq. ft.	Apply when pests are evident. Use adequate quantity of water to thoroughly moisten grass and thatch.
Ants, Bees, Brown dog ticks, Centipedes, Cockroaches, Crickets, Earwigs, Firebrats, Fleas, Ground beetles, Millipedes, Pillbugs, Scorpions, Silverfish, Sowbugs, Spiders (including Black Widow Spiders), Wasps		

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Do not apply more than 8 lbs. of TURCAM per acre per year. Spring applications must not exceed 4 lbs. of TURCAM per acre.
Allow 14 days between applications of TURCAM.

FIRE ANTS

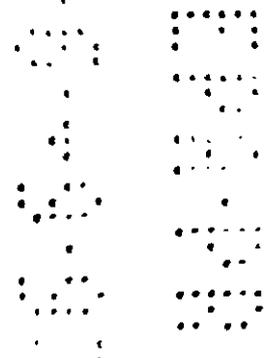
Mix TURCAM as recommended in the table below. Two gallons of mixture are recommended for mounds 8 inches or larger in diameter. Less mixture can be used on smaller mounds, however, thorough penetration of insect galleries must be achieved. Apply a small amount of material around the perimeter of the mound. Apply the remaining volume directly on the mound so as to penetrate insect galleries. A second treatment may be necessary to obtain complete control.

Do not disturb the mound prior to application. If possible, make applications after recent rainfall. Applications may not be as effective during hot, dry periods. If possible, treat all colonies in the vicinity. Also, treat colonies which have not yet constructed a mound.

AMOUNT OF TURCAM	AMOUNT OF WATER
2 to 3 teaspoons 1 ounce	2 gallons 20 gallons

GREENHOUSE, INTERIOR PLANTScape AND OUTDOOR ORNAMENTALS

Use TURCAM in greenhouse, interiorscape and outdoor situations where ornamental pests are a problem. TURCAM can be used to control specified pests on non-edible ornamental plants including, but not limited to: African Violet, Ageratum, Aglaonema, Aralia, Arborvitae, Asarina, Asparagus sprengeri, Azalea, Beech, Begonia, Boxwood, Calathea, Calendula, Camellia, Carnation, Cedar, Celosia, Chrysanthemum, Coleus, Cottoncreeper, Crepe Myrtle, Croton, Daffodil, Dahlia, Dianthus, Dieffenbachia, Dracaena, Epipremnum, Episcia, Euonymus, Fatsia, Ferns, Ficus, Flowering almonds, Flowering crab apples, Fountaingrass, Fuchsia, Gazania, Geranium, Gladiolus, Gloxinia, Holly, Hydrangea, Hypoestes, Impatiens, Iris, Ivy, Ixora, Japanese yew, Juniper, Leucothoe, Lilac, Lily of the Valley, Maranta, Marigold, Mimosa, Mock Orange, Mondo Grass, Nandina, Nasturtium, Nicotiana, Norfolk Island Pine, Oleander, Pachysandra, Pansy, Peperomia, Petunia, Philodendron, Photinia, Pieris, Pine, Poinsettia, Portulaca, Pothos, Primrose, Privet, Prunus, Pyracantha, Rhododendron, Rose, Sago Palm, Salvia Sansevieria, Schefflera, Shasta Daisy, Sinningia, Snapdragon, Spathiphyllum, Spirea, Spruce, Sycamore, Taxus, Verbena Viburnum, Vitex, Wandering Jew, and Zinnia.



Spray TURCAM to runoff at the recommended rates in the table:

PEST	AMOUNT OF TURCAM PER 100 GALLONS OF WATER
Chrysanthemum aphid, Green apple aphid, Hemispherical scale, Florida wax scale	3 ozs.
Brown soft scale, Spirea aphid, Tea scale, Citrus mealybug, Hawthorn lacebug, Euonymus scale	6 ozs.
Thrips, Azalea caterpillar, Texas mealybug (adults), Sycamore lacebug, Oleander Aphid, Oleander Caterpillar	11 ozs.
Obecure root weevil (adults)	1 lb.
Whitefly, Citrus blackfly (larvae), Black vine weevil	1 lb. 5 ozs.
Azalea leafminer	2 lbs. 10 ozs.
Black vine weevil (adult and larvae)	1 lb. 5 ozs.

TURCAM provides best control when applied to the adult stage soon after emergence. Apply 2-3 weeks after adults emerge. Thoroughly spray foliage to runoff (ground surface should be wet). Repeat application 3 weeks later.

For control of Black Vine Weevil larvae in container production:

Mix 2 to 4 oz. of TURCAM per 100 gallons of water. Apply as a soil drench at the following rates:

VOLUME	CONTAINER SIZE
8 fl. oz.	6-inch
1 pint	1 gal.
3 pints	3 gal.
5 pints	5 gal.

Best results are obtained against young larvae. Apply TURCAM at first sign of hatching.

INTERIOR PLANTSCAPING: Spray TURCAM to the point of runoff according to the rates recommended under Landscape Flowers and Shrubs above.

When used in public areas, use a coarse, low pressure spray. Apply during non-business hours or cordon off area during spraying and until spray has dried.

CAUTION: Marginal tip burn may occur on Cardoon and Coleus at rates of 2 1/4 pounds of TURCAM/100 gallons of water and above. TURCAM 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.

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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