

MAY 27 1993

Mr. J. Allen Dunlap III
Platte Chemical Company
P.O. Box 667
Greeley, Colorado 80632

Subject: Revised Labeling--Avian Exposure
Clean Crop Turcam 2.5G Insecticide
EPA Registration Number 34704-437
Your Application Dated April 9, 1993

Dear Mr. Dunlap:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, is acceptable provided that you make the labeling change indicated below before you release the product for shipment bearing the amended labeling:

In the Environmental Hazards section, delete the sentence, "Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes." Substitute the sentence, "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."

Submit five (5) 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,

DHE

Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

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® 2.5 G INSECTICIDE

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAY 27 1993

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

34704-437

FOR USE ON ORNAMENTAL TREES, SHRUBS AND TURF	
ACTIVE INGREDIENT:	By Weight
Bendiocarb: (2,2-dimethyl-1,3 benzodioxol-4-yl methylcarbamate*)	2.5%
INERT INGREDIENTS	97.5%
TOTAL 100.0%	
*Protected by U.S. Patent No. 3,736,338	

mole crickets. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). 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, 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.

KEEP OUT OF REACH OF CHILDREN CAUTION

DIRECTIONS FOR USE

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

DO NOT USE ON FOOD CROPS
SEE BELOW FOR ADDITIONAL
PRECAUTIONARY INFORMATION

STORAGE AND DISPOSAL

Do not contaminate water, feed, or food by storage or disposal. 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: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL: 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.

EPA REG. NO. 34704-437
EPA EST. NO. _____

NET WEIGHT _____ POUNDS

* TURCAM is a Registered T.M. of NCR-AM CHEMICAL COMPANY.
34971 EXPO3Y93

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.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Call physician or Poison Control Center. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

IF INHALED: Remove victim to fresh air.

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

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

NOTE TO PHYSICIAN: Bendiocarb is a moderate, reversible cholinesterase inhibitor. Intravenous injection of atropine is antidotal.

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

GENERAL INFORMATION: TURCAM 2.5 G 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 2.5G per acre per year. Spring applications must not exceed 120 lbs. of TURCAM 2.5G 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 TURF, ORNAMENTAL TREES AND SHRUBS RECOMMENDATIONS: Use TURCAM 2.5 G 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, Oleaster, Crataegus, Crape Myrtle, Euonymus, Fatsia, Ficus, Fountain grass, Flowering almond, Flowering crabapple, Gardenia, Hemlock, Hydrangea, Ilex, Ixora, Japanese yew, Juniper, Ligustrum, Lilac, Logue, Mahonia, Mimosa, Mock Orange, Nandina, Oleander, Pachysandra, Rhododendron, Picea, Pieris, Pine, Poinsettia, Pomegranate, Poplar, Prunus spp., Pseudotsuga, Pyracantha, Pyrus, Rhododendron, Rose, Sage palm, Schefflera, Spirea, Sycamore, Taxus, Thuja, Tsuga, Viburnum, Yucca, Yaupon.

APPLICATION PROCEDURES

Apply TURCAM 2.5 G 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 1/4-3/4 inches of water to encourage movement of TURCAM 2.5 G into soil and to reduce chances of contact with non-target organisms.

For surface-feeding and surface-dwelling insects, apply when pests are

TURCAM[®] 2.5 G INSECTICIDE

EPA REG. NO. 34704-437

evident. Use adequate quantity of water to moisten grass and thatch after application. Apply TURCAM 2.5 G 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 chafar, Northern masked chafar, Southern masked chafar, 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 beetles, Southern masked chafar Mole crickets	80 to 120	1.9 to 2.8
	50 to 80	1.1 to 1.8

Allow 14 days between applications of TURCAM 2.5G.

LANDSCAPE PLANT RECOMMENDATIONS: Use TURCAM 2.5 G to control specified pests of nonedible ornamental landscape plants including, but not limited to: Ageratum, Azarins, Begonia, Calendula, Celosia, Chrysanthemum, Coleus, Daffodil, Dahlia, Dianthus, Ferns, Fuchsia, Gazania, Geranium, Holly, Hypoestes, Impatiens, Iris, Ivy, Kalandra, Lily of the Valley, Marigold, Nasturtium, Nicotiana, Pansy, Pelunia, Portulaca, Salvia, Shasta daisy, Snapdragon, Verbena, Vinca, and Zinnia

Apply TURCAM 2.5 G to give complete and uniform coverage of the pest-infested areas. Applications should be made using the rates in the above table applied below or around the landscaped area.

PERIMETER TREATMENT: To help prevent infestation of buildings by ants, crickets, brown dog ticks, centipedes, earwigs, firebrats, fleas, ground beetles, millipedes, pillbugs, scorpions, silverfish, sowbugs, and spiders, treat a band of soil 6 to 10 feet wide around and adjacent to the building at a rate of 0.9 to 1.9 lbs. per 1000 square feet.

CARPENTER ANTS: For control of Carpenter ants around firewood piles. Treat the area where firewood is to be stacked at the rate of 0.9 to 1.8 lbs. per 1000 square feet. After the firewood is in place, treat a 3 to 6 foot band around the woodpile. If the rows of wood are stacked so there is about 2" between them, repeated treatment of the woodpile can be made by sprinkling or shaking the granules between the rows.

PLANT SAFETY

TURCAM 2.5 G had 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.

APPLICATION EQUIPMENT: TURCAM 2.5 G is a granular formulation. Application using subsurface placement equipment is recommended for insects below the soil surface. When 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 chafar, apply TURCAM 2.5 G 0.25-0.75 inch deep in 2-inch bands. For mole crickets, apply TURCAM 2.5 G 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 2.5 G.

Calibration of Spreaders for Applications of TURCAM 2.5 G Approximate Spreader Settings to Apply Pounds of TURCAM

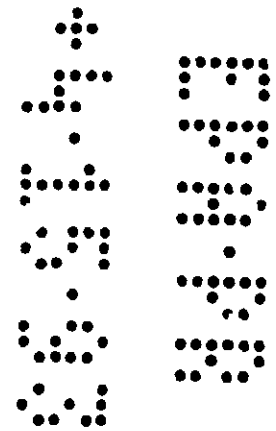
Spreader Model	Pounds of Product per Acre	Once Over	Twice Over	Swath Width
SPYKER (Rotary)	80	3.9	3.4	6 ft.
LESCO (Rotary)	80	D ¹ / ₂	—	8 ft.
CYCLONE (B-1, 30, 96)	40	3.25	—	—
	80	4.00	—	—
	160	5.00	—	—
PRIZE-LAWN-CBR	80	4.5	—	Same as spreader width
	120	5.0	—	—
GANDY DROP	80	30	—	30 inches
	120	34	—	30 inches
SCOTT DROP	80	6 ³ / ₄	—	21 inches
	120	8	—	21 inches
SCOTT R-7x	80	F ¹ / ₂	—	9 ft.
	120	H ¹ / ₂	—	9 ft.
SCOTT R-8A	80	L	—	10 ft.
	120	M ¹ / ₂	—	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 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.

NOTICE

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE. IN NO CASE SHALL PLATTE BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

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FORMULATED FOR
PLATTE CHEMICAL CO.

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