

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 2046C

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JAN 28 1994

J. ALLEN DUNLAP III WILLIAM M. MAHLBURG

AGENT FOR: PLATTE CHEMICAL CO. INC.

P.O. BOX 667

GREELEY, CO. 80632

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Subject:

Label Amendment Submission of 09/16/93 In Response to PR Notice 93-7

EPA Reg. No. 34704-437

CLEAN CROP TURCAM 2.5G INSECTICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO'NEXT:

By the label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling AND
- WITHIN one year from date of this acceptance.



Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

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

Sincerely,

Vin Tompkits, Deputy Chief Registration Support Branch Registration Division (7505W)

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division

J Allen Dunlap III WILLIAM M. MAHLBURG

AGENT FOR: PLATTE CHEMICAL CO., INC.

- BUX 667 GREELEY CO 80632

Comment for: EPA Reg Nr.34704-437 -- CLEAN CROP TURCAM 2.5G INSECTICIDE

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

You have incorrectly located the sentence describing the exception to the restricted entry interval when soil-injection or soil-incorporation is used. Move the exception from its present position on your proposed label to immediately following the statement(s) establishing the restricted entry interval inside the Agricultural Use Requirements box. The soil incorporation exception should be placed directly beneath the REI statement.

'ROPOSED .ABEL

RESTRICTED USE PESTICIDE

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.



JRCAM° 2.5 G INSECTICIDE

N-Methyl Carbamate Insecticide FOR USE ON ORNAMENTAL TREES, SHRUBS AND TURF ACTIVE INGREDIENT: By Weight Bendiocarb: (2,2-dimethyl-1,3 benzodlomi-4-yi methylcarbamate") 2.5% INERT INGREDIENTS97.5%

*Protected by U.S. Patent No. 3,736,338

TOTAL.

100.0%

ACCEPTE ACCEPTED
with COMMENTS
In EPA Letter Dited

JAN 28 1994

er the Federal Inaceticide, dicide, and Rod stielde Act amended, for the pesticide stered under EP Reg. No. 34704-

KEEP OUT OF REACH OF CHILDREN CAUTION

DO NOT USE ON FOOD CROPS

SEE BELOW FOR ADDITIONAL PRECAUTIONARY INFORMATION **EPA REG. NO. 34704-437** EPA EST, NO.

NET WEIGHT _ LBS. (KG)

 TURCAM is a Registered T.M. of NOR-AM CHEMICAL COMPANY. WPSEXPORY93

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. Avoid contamination of feed and loodstuffs.

Applicators and other handlers must wear: Ung sinhled shift and ---

manufa turki ki myru if unk for clean ng and maintain ng PPE nstructions for washables, use delergent and hot water. Reed and wash PPE secarate a from other laundry.

Engineering controls statements

nanders will be a systems, endicage cabs, or a rorall in a majoras ingrimuats with ragginampors integral of the Marker Protection STATE BOOK WEST (CORESTORISTORISTORISTORIST) AS CERTIFICATION A 614 the handler PPE maurements may be reduced or modified as specified

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USER SAFETY RECOMMENDATIONS

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mediately after handling this product. Wash the outside Remove PPE gues beigte remguir g i As soon as possible, wash thornughly and changa loto clago cibildo

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomitting by touching back of throat with linger. 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 posticide is toxic to fish and wildlife. Birds, especially waterlowl, feeding or drinking on treated areas may be killed. Avoid overlapping granules. Avoid applications to bere 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 waterlow! 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 intertical 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 taxic 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 before using this product.

DIRECTIONS FOR USE

it is a violation of Federal Law to use this product in a manner inconsisient with its 'abeling.

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AGRICULTURAL USE REQUIREMENTS

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NON-AGRICULTURAL USE REQUIREMENTS

real imperior of his postable, taluses of this product that are NOT The FVPS applies when this product used to produce agricultural plants on farms forests increares of 202, 22241

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BEST AVAILABLE COPY

TURCAM® 2.5 G INSECTICIDE

EPA REG. NO. 34704-437

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 amohe.

GENERAL INFORMATION: TURCAM 2.5 G is a broad spectrum residual insecticide for the control of certain insects on exnamental 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 Maul is prohibited. ORNAMENTAL TURF, ORNAMENTAL TREES AND SHRUBS RECOM-MENDATIONS: Use TURCAM 2.5 G to control specified pests of ornamental turf and of the following nonedible ornamental trees and shrubs: Abies, Acer, Arborvitae, Azales, Barberry, Birch, Boxwood, Brassaia, Camellia, Cedar, Cephalotuxus, Cercis, Cherry, Cornus, Coloneaster, 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, Oleender, Pachysandra, Photinia, Picea, Pieris, Pine, Poinsettia, Pomegranate, Poplar, *Prunus* spp.,

APPLICATION PROCEDURES

Yaucon

Apply TURCAM 2.5 G to give complete and uniform coverage of the pestinfested areas. Applications should be made using the rates below.

Pseudotsuga, Pyracantha, Pyrus, Rhododendron, Rose, Sage palm,

Schefflera, Spirea, Sycamore, Taxus, Thuja, Tsuga, Viburnum, Weigelia,

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 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 pestinfested areas. Applications should be made using the rates shown below:

STIDEACE ADDITION

Pest	Dosage of Product			
	Lb/Acre	Lb/1,000 eq. ft		
White grubs of:				
Japanese beetle, Black turf grass Ataenius, European chaler, Northern masked chaler,	60 to 120	1.9 to 2.8		
Southern masked chafer, Green June beetle, Annual white grub (Cyclocephala immaculata). Mole crickets	•			
Surface dwellers and/or feeders: Chinchbugs, Leathoppers, Sod webworms, Ants, Brown dog ticks, Centipedas, Crichats, Earnings, Fifebrats, Fleet Grburld beetlee; Millipedes, Pilbugs,	40 to 80	0.9 to 1.9		
Scorpions, Silverlish, Solvbugs, Spiders.				

SUBSURFACE APPLICATION

Pest	Dosage of Product			
	Lb. Acre	Lb/1,000 sq. ft.		
White grubs of: Japanese beetles, Southern masked chater	80 to 120	1.9 to 2.8		
Mole crickets	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, Azarina, Begonia, Calendula, Celosis, Chrysanthemum, Coleus, Daffodil, Dahlia, Dianthus, Ferns, Fuchela, Gazania, Geranium, Holly, Hypoestes, Impatiens, Iris, Iry, Kalendra, Lity of the Velley, Marigold, Nesturtium, Nicotiena, Pa...y,

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

Petunia, Portulaca, Salvia, Shasta daley, Snapdragon, Verbena, Vinca,

ants, criclets, brown dog ticks, certipedes, earwigs, firebrats, flees, ground beetles, millipedes, pillbugs, scorpions, silvertish, 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. 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 challer, 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

	FOOR	-01:010	-	
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	D1/2	_	8 ft.
CYCLONE	40	3.25		
(B-1, 30,9 6)	80 160	4.00 5.00	_	_
PRIŽE-	80	4.5		Same as
LAWN- CBR	120	5.0	-	apreader width
GANOY	80	30	-	30 Inches
DROP	120	34		30 inches
SCOTT	80	63/4		21 inches
DROP	120	8	_	21 inches
SCOTT R-7x	80	F-1/2		9 ft.
	120	H-1/2	_ _	9 ft.
SCOTT R-8A	80	Ĺ	_	10 ft.
	120	M-1/2	-	10 ft.
VICON or	80	18	_	15 ft. at 5
LESCO Pendulum				mph
LELY HR	120	4		23 ft.
spreader		(right		with a PTO
asembly		discharge		speed of
setting #3	•	te in.		510 and RPM
		opening 3/4")		800 HPM 1700
		<i>,</i>		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.

TURCAM[®] 2.5 G INSECTICIDE

EPA REG. NO. 34704-437

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 ELMINATE 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 OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

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