

28293-205

12/21/2000

4/8



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

DEC 21 2000

Lee Tharrington
Registration Specialist
Unicorn Laboratories
12385 Automobile Blvd.
Clearwater, FL 33762

Subject: Unicorn Dursban 1-12 Insecticide
EPA Registration # 28293-205
label amendment submitted 12/5/00 as per 6/00 MOA
accepted with comments

Dear Mr. Tharrington:

The revised labeling reference to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable provided you incorporate the changes required by the Agency as listed below.

- 1) On the front panel under the product name, add the text:
"For outdoor use only."
- 2) In the block on the front panel change the text to the following to accommodate the MOA:
"Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification, specifically golf course turf and ornamentals on road medians or industrial plant sites."
- 3) In the Precautionary Statements section, delete the following text: "Agricultural Chemical. Do not ship or store with food, feeds, drugs, or clothing."
- 4) In the sections labeled "Pests of Ornamentals on Road Medians", "Dogwood Borer", "Peach Tree Borer", and "Native Elm Bark Beetle" add the following sentence:
"Do not apply more than 1 gallon product (1 lb. active ingredient) per acre to ornamentals on road medians."

Submit three (3) copies of your final printed labeling incorporating the above changes prior to releasing your product for shipment. If the above provisions are not complied with the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A copy of your label stamped "accepted with comments" is enclosed for your records.

If you have any questions please contact me at (703) 308-9423 or Harris.Thomas@EPA.gov.

Sincerely yours,



Thomas C. Harris
Insecticide / Rodenticide Branch
Registration Division (7505C)
Office of Pesticide Programs

enclosure

3/8

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.

**UNICORN
DURSBAN* 1-12 INSECTICIDE**

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown on golf courses or road medians.

ACTIVE INGREDIENT(S):

Chlorpyrifos (O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate)..... 12.6%

INERT INGREDIENTS:**..... 87.4%

Total:..... 100.00%

** Contains petroleum distillates and xylene range aromatic solvent

Contains 1 pound of chlorpyrifos per gallon

* Dursban is a Registered Trademark of Dow AgroSciences, LLC

**KEEP OUT OF REACH OF CHILDREN
WARNING**

See Side/Back Panel for Additional Precautionary Statements

NET CONTENTS:

MANUFACTURED BY:

Unicorn Laboratories
12385 AUTOMOBILE BLVD.
Clearwater, Florida 33762

ACCEPTED
with COMMENTS
In EPA Letter Dated:
DEC 21 2000
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
28293-205

NOTICE: Read and understand the entire label before using. Use only according to label directions.

Before buying or using this product, read "WARRANTY LIMITATIONS AND DISCLAIMER" elsewhere on this label. If terms are not acceptable, return **unopened** package at once to seller for full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under WARRANTY LIMITATIONS AND DISCLAIMER.

4/8

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: Harmful if swallowed. Causes substantial but temporary eye irritation. This product may cause skin sensitization reactions in certain individuals. Harmful if absorbed through skin. May cause skin irritation. Do not get in eyes, on skin or clothing. Wear eye protection. Avoid breathing vapors and spray mist. Handle concentrate in a ventilated area. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep away from food, feedstuffs and water supplies.

Statement of Practical Treatment

IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting. Contains an aromatic petroleum solvent. Do not give anything by mouth to an unconscious person.

IF ON SKIN: Immediately wash with plenty of soap and water. Get medical attention.

IF IN EYES: Flush with plenty of water. Get medical attention immediately.

IF INHALED: Remove to fresh air if symptoms of cholinesterase inhibition appear and get medical attention immediately.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic, if used early; however, use only in conjunction with atropine.

Physical or Chemical Hazards

COMBUSTIBLE: Do not use or store near heat or open flame. Do not cut container.

Environmental Hazards

This pesticide is toxic to birds, fish and aquatic invertebrates. Birds feeding in treated areas may be killed. Clean up spilled product to reduce exposure to wildlife. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues 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.

AGRICULTURAL CHEMICAL

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

DIRECTIONS FOR USE It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **Do not formulate this product into other end-use products.**

PESTS OUT-OF-DOORS

General Information: Use **Dursban 1-12** insecticide for control of certain pests on outside surfaces of buildings at industrial plant sites, on golf course turf and on ornamental plants in road medians. Consult the following directions for dosage and application details to control the pests listed.

Pests on Outside Surfaces of Buildings at Industrial Plant Sites: Use **Dursban 1-12** at the rate of 5-1/3 fluid ounces per one gallon of water (0.5% chlorpyrifos emulsion) to control ants, carpenter ants, clover mites, cockroaches, crickets, earwigs, fleas, flies, millipedes, mosquitoes, sowbugs, spiders and ticks by application as a residual spray or with a paint brush to outside surfaces where these pests congregate or have been seen. Do not treat or allow the spray to contact plants (lawns, flowering plants, shrubs, trees, evergreens, etc.) because of possible injury. Repeat treatment as needed to maintain effectiveness.

NOTE: To help prevent infestation of buildings by ants, carpenter ants, crickets, earwigs, millipedes, and sowbugs (pillbugs), treat a band of soil 6 to 10 feet wide around and adjacent to the buildings, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 2 pints of **Dursban 1-12** per 100 gallons of water and apply as a coarse spray at the rate of about 10 gallons spray mixture per 1000 sq. ft. to thoroughly and uniformly wet the band area.

Pests of Golf Course Turf Grass Areas: Use **Dursban 1-12** to control pests listed in the following table by application at the recommended dosages and in accordance with the directions given below. Dilute **Dursban 1-12** in enough water to obtain complete and uniform coverage of pest-infested areas and apply as a coarse, low-pressure spray using suitable application equipment. Thoroughly water immediately after treatment to wash the insecticide into the turf, except as noted. For best results, the lawn should be moist at time of treatment.

Pests of Ornamentals on Road Medians: Use **Dursban 1-12** insecticide to treat flowers, shrubs, vines, shade and flowering trees and evergreens found to be infested with the pests listed in the following table. Dilute **Dursban 1-12** with water according to directions given in the table and apply using suitable hand or power spray equipment in a manner to provide complete and uniform coverage. For best results apply a wetting spray to both upper and lower leaf surfaces and infested limb and trunk areas. Attempt to penetrate dense foliage but avoid overspraying to the point of excessive runoff. Treat when pests appear and repeat at 7 to 10 day intervals, if needed. **NOTE:** Do not use on azaleas, camellias, poinsettias, rose bushes, or variegated ivy because of possible injury to these plants.

Dogwood Borer: Apply **Dursban 1-12** to the trunks and lower limbs of dogwood trees (on road medians) when the adults begin to emerge. Consult your State Agricultural Experimental Station or Extension Service specialist for proper time to treat in your area. Mix at the rate of one gallon of

Dursban 1-12 in 100 gallons of water and apply uniformly on trees as a coarse, low-pressure spray.

Peach Tree Borer: Apply **Dursban 1-12** to flowering trees and shrubs of the Genus Prunus (on road medians) in water as a trunk spray before newly hatched larvae enter the trees. Apply as a coarse low-pressure spray. Thoroughly wet all bark areas from ground level to scaffold limbs. Consult your State Agricultural Experimental Station or Extension Service specialist for proper time to treat in your area.

Native Elm Bark Beetle: (Prevention of Overwintering) To prevent the adult beetle from overwintering in uninfested trees (on road medians) and to reduce beetle populations in disease-free areas, apply **Dursban 1-12** insecticide as a 0.5% mixture of chlorpyrifos in water to the bottom 9 feet of the trunk. Wet the trunk thoroughly but do not spray to runoff. Care should be taken to apply the spray right to the base of the root flare. Applications can be made with either a backpack mist blower or a hydraulic pressure sprayer from spring through to the early fall. (Prevention of Branch and Twig Feeding on High Value Elm Trees) To reduce the twig and branch feeding on uninfested trees (on road medians) deemed to be high in value apply 0.5% chlorpyrifos water spray to the tree crown. Application should be made in the spring or early summer using a sprayer that will give thorough coverage to the tree crown.

DOSAGES & DIRECTIONS FOR USE ON GOLF COURSE TURF		
Pests	Dosage Dursban 1 - 12 per 1000 sq. Ft.	Remarks
Ants, Armyworms, Brown Dog Ticks, Chiggers, Chinch bugs, Clover mites, Crickets, Cutworms, Earwigs, Fleas, Grasshoppers, Sod Webworms, Ticks	3 fl. oz. (90 ml)	Spray when pests first appear, retreat when needed. For sod webworms delay watering or mowing the treated area for 12 to 24 hours after treatment.

ATTENTION: Do not allow public use of treated areas during application or until spray has dried.

Treatment of fire ant mounds. Apply **Dursban 1-12** as a drench diluted at the rate of 2 fl. oz. (60 ml) per 2 gallons of water. Gently sprinkle a total of 1 gallon of the diluted solution over the surface of each mound using a sprinkler can. Thoroughly wet mound and surrounding areas to a 4 ft. diameter (12 sq. ft.). For best results apply in cool weather, 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

DOSAGES & DILUTIONS FOR USE ON ORNAMENTAL PLANTS ON ROAD MEDIANS

Pest Controlled	Amount of DURSBAN 1-12 In Water to Make	
	3 gallons	10 gallons
Aphids Bagworms Eastern tent Caterpillar Fall webworm Grasshoppers	Mites Orangestriped Oakworm Spittlebugs Whiteflies Yellownecked Caterpillar	1 fl. oz. (30 ml) 3.2 fl. oz. (96 ml)
Cutworms Leafhoppers Mealybugs	Mimosa webworm Redhumped Caterpillar Thrips (exposed)	2 fl. oz. (60 ml) 6.4 fl. oz. (190 ml)
Ash borer Lilac borer Dogwood borer	Scale Crawlers Oak lecanium Pine needle Tea White peach	4 fl. oz. (120 ml) 12.8 fl. oz. (380 ml)
Peach tree borer		11.6 fl. oz. (350 ml) 38.4 fl. oz. (1.15 L)

NOTE: 2 tablespoons = 1 fl. oz.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. Do not store above 100°F for extended periods of time. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: **Plastic:** Triple rinse (or equivalent). Then 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.

CONTAINER DISPOSAL: **55 Gallon Drum:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Containers one gallon or less: Do not reuse container. Wrap and discard in trash.

8/8

WARRANTY LIMITATIONS AND DISCLAIMER

The Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions therein under normal conditions of use. THIS IS THE ONLY WARRANTY MADE ON THIS PRODUCT. NO OTHER EXPRESS AND NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OUTSIDE OF THIS LABEL. Therefore, neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), under abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes, etc.) or under conditions not reasonably foreseeable to or beyond the control of seller. When buyer or user suffers losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability, or other legal theories), buyer or user must promptly notify in writing The Manufacturer, of any claims to be eligible to receive either remedy given below. The EXCLUSIVE REMEDY OF THE BUYER OR USER and the

LIMIT OF LIABILITY of The Manufacturer, of any other seller will be one of the following, at the election of The Manufacturer:

- (1) **Refund of purchase price** paid by buyer or user for product bought, or
- (2) **Replacement** of amount of product used.

The seller **will not be liable for consequential or incidental damages or losses.**

The terms of this Warranty Limitations And Disclaimer cannot be varied by any written or verbal statements or agreements. Any employee or sales agent of the seller is not authorized to vary or exceed the terms of this Warranty Limitations and Disclaimer in any manner.