



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

DEC 21 2000

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

Subject: Label Amendment of UNICORN DURSBAN-2E Insecticide (Chlorpyrifos)
EPA Reg. No. 28293-200
Resubmission dated December 12, 2000, "acceptable with comments"

Dear Mr. Tharrington:

The Agency has reviewed your submission for a revised label, and the following comments apply:

- 1) In the container disposal statement you must delete "Containers One gallon or Less:..... Wrap and discard in trash"-not a good advice for professional applicators when using 15 gallons containers of 24% chlorpyrifos".
- 2) You must submit the final printed label before releasing the product to market.

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

Please submit three (3) copies of the final printed label for our files prior to releasing the product for shipment. If you have any questions please call me at (703) 308-8328.

Sincerely yours,

A handwritten signature in black ink that reads "Akiva Abramovitch".

Akiva Abramovitch, Ph.D.

Chemist

Insecticide-Rodenticide Branch
Registration Division (7505C)

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* 2E INSECTICIDE**

ACTIVE INGREDIENT:

Chlorpyrifos (O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate) 24.1%

INERT INGREDIENTS:**

Total:

Contains 2 pounds of chlorpyrifos per gallon

** Contains xylene range aromatic solvent.

* Trademark of Dow AgroSciences

ACCEPTED
with COMMENTS
In EPA Letter Dated:
DEC 21 2000
75.9%
100.00%
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
28293-200

WARNING
KEEP OUT OF REACH OF CHILDREN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See Side/Back Panel for Additional Precautionary Statements

NET CONTENTS:

MANUFACTURED BY:

Unicorn Laboratories
12385 Automobile Blvd.
Clearwater, Florida 33762-4426

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.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: May be fatal if swallowed. Excessive absorption through skin may be fatal. Causes substantial but temporary eye injury. Causes skin irritation. Do not get in eyes, on skin or clothing. Avoid breathing vapors and spray mist. Handle concentrate in a ventilated area. Remove contaminated clothing and wash before reuse. Keep away from food, feedstuffs and water supplies.

Personal Protective Equipment: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: Coveralls over short-sleeved shirt and short pants, Chemical-resistant gloves such as barrier laminate or viton, Chemical-resistant footwear plus socks, Protective eyewear: goggles, face shield, or safety glasses with front, brow, and temple protection, Chemical-resistant headgear for overhead exposure and Chemical-resistant apron when cleaning equipment, mixing or loading. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. **Keep and wash PPE separately from other laundry.**

User Safety Recommendations:
Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

First Aid

Organophosphate

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.

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. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data is useful). 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. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

Physical or Chemical Hazards

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

Environmental Hazards

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. For terrestrial use, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water by cleaning of equipment or disposal of waste. Do not contaminate water when 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.**

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

Coveralls over short-sleeved shirt and short pants, Chemical-resistant gloves, such as barrier laminate or viton, Chemical-resistant footwear plus socks, Protective eyewear: goggles, face shield, or safety glasses with front, brow, and temple protection, and Chemical-resistant headgear for overhead exposure.

Non-Agricultural Use Requirements

The requirements in this box apply to users of this product that are NOT within the scope of the Workers Protection Standard for agricultural plants on farms, forest, nurseries, or greenhouses.

Outdoors:

Do not enter or allow others to enter the treated area until sprays have dried. Keep out of lawn and garden fishpools and other bodies of water.

PESTS OUT-OF-DOORS

General Information: Use **Dursban 2E** insecticide for mosquito and fire ant control. Consult the following directions for dosage and application details to control the pests listed.

Imported Fire Ant: Treatment of potted, containerized and balled and burlapped nursery stock. Use **Dursban 2E** to control imported fire ants in soil attached to roots of these plants by completely submerging the ball of soil in a tank containing **Dursban 2E** diluted at the rate of 8 fl. oz. per 100 gallons of water. Do not remove burlap wrap or plastic containers with drain holes prior to submerging. Keep soil submerged until complete saturation has occurred, normally about 30 seconds.

An alternate treatment to submerging potted plants is to apply a solution containing **Dursban 2E** (8 oz. per 100 gallons of water) as a substitute for plain water during routine watering activities. This solution should be applied to the point of run-off on a twice daily schedule for three consecutive days. Do not remove burlap wrap or container from plants prior to treatment. Application should be made in a well-ventilated area. Treatment of Fire Ant Mounds (for use only in public health programs): Apply **Dursban 2E** as a drench diluted at the rate of 1 fl. oz. (30cc) 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 area 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.

Mosquitoes (for use in control of adult mosquitoes in public health programs only): Apply **Dursban 2E** insecticide to mosquito infested, non-crop areas according to the conditions and rates shown in the following table. Mix **Dursban 2E** with either water or oil such as kerosene or No. 2 fuel oil, using sufficient spray volume to give uniform coverage of area treated. Apply the spray using suitable application equipment such as hand and power ground sprayers, mist applicators, and aerial spray equipment.

Warning (Mosquito Control): Read complete Environmental and Use Precautions and consult your State Fish and Game Department before using this product for mosquito control.

CONDITIONS & RATES TO USE FOR MOSQUITO CONTROL FOR USE IN PUBLIC HEALTH PROGRAMS ONLY			
Condition of Area to be Treated	Amount to Use Per Acre		Number Acres 1 Gallon of Dursban 2E Will Treat
	DURSBAN 2E (fluid ounces)	Chlorpyrifos (pounds)	
Adult Control Light to medium vegetative cover	1.6	0.025	80
Medium to heavy vegetative cover	3.2+	0.05+	40

+ The higher dosage will also give faster knockdown and longer residual control where there is little or no vegetative cover.

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:

METAL 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.

PLASTIC - Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Containers One Gallon or Less: Do not reuse container. Wrap and discard in trash.

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.