

JAN - 5 1994

Ms. Nik Ramswick  
Universal Cooperatives, Inc.  
7801 Metro Parkway  
P.O. Box 460  
Minneapolis, Minnesota 55440

Subject: Revised Labeling, Confidential Statement of Formula  
Red Panther Dursban 1  
EPA Registration Number 1386-628  
Your Application Dated November 17, 1993

Dear Ms. Ramswick:

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 changes indicated below before you release the product for shipment bearing the amended labeling:

1. In the Statement of Practical Treatment, If In Eyes, delete "for 15 minutes."
2. In the Hazards to Humans and Domestic Animals section add a sentence: "Keep children and pets off treated areas until dry."
3. Revised the second paragraph of the Environmental Hazards sections to read:

Dursban I 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. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

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.

We have also reviewed the revised Confidential Statement of Formula (CSF), dated November 17, 1993, that you have submitted. The formulation includes 21.1% Dursban 6 (EPA Registration Number 62719-10), thus the nominal concentration of the active ingredient chlorpyrifos is 12.98%:

$$21.1\% \times 61.5\% \text{ chlorpyrifos} = 12.98\%$$

This represents a slight but acceptable over-formulation, that is, it exceeds the label claim of 12.95% chlorpyrifos.

The upper certified limit of 13.60% is also acceptable. The lower certified limit, however, is not acceptable, because it is essentially the same as the nominal concentration. We would expect the lower certified limit to be approximately 12.3%. Please submit a revised CSF.

Further consideration will be given to your application upon receipt of the above information. Because of the importance of your application, we would like to have your reply within 75 days. - If you have any questions concerning this letter, please contact me at (703) 305-6386.

Sincerely yours,

DHE

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

# RED PANTHER DURSBAN I

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JAN - 5 1994

## LAWN AND ORNAMENTAL PLANT INSECTICIDE

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
1386-628

FOR HOMEOWNER USE ONLY

CONTROLS PESTS OF TURF (CHINCH BUGS, SOIL WEEVILS, ANTS, BROWN  
DOG TICKS, CRICKETS, CUTWORMS, EARWIGS, GRASSHOPPERS, CERTAIN  
WHITE GRUBS, HYPERODES, WEEVILS) AND ORNAMENTAL PLANTS  
(APHIDS, BAGWORMS, CUTWORMS, GRASSHOPPERS, LEATHOPPERS,  
MEALYBUGS, MITES, SPITTLEBUG, EXPOSED THRIPS, WHITEFLIES).

### ACTIVE INGREDIENT:

Chlorpyrifos [0,0-Diethyl 0-(3,5,6-trichloro- 2-pyridyl) phosphorothioate] .....	12.95%
INERT INGREDIENTS* .....	87.05%
Total .....	100.00%

\*Contains 1 pound Chlorpyrifos per gallon. \*Contains  
Xylene Range Aromatic Solvent.

AGRICULTURAL CHEMICAL  
Do Not Ship or Store with Food,  
Foods, Drugs or Clothing

## WARNING

KEEP OUT OF REACH OF CHILDREN

MAY BE FATAL IF SWALLOWED • MAY BE ABSORBED  
THROUGH SKIN • MAY BE INJURIOUS TO EYES AND SKIN • COMBUSTIBLE

### 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 for 15 minutes. Get medical attention. If Inhaled: Remove to fresh air if symptoms of cholinesterase inhibition appear and get medical attention immediately.

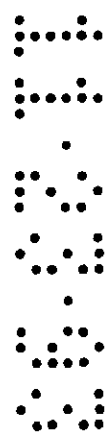
NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may 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. For Medical Emergency information call 1-800-228-5635, extension 138.

Net Contents: 1 Pint

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EPA Reg. No. 1386-628  
EPA Est. No. 1386-OH-1

MANUFACTURED BY: UNIVERSAL COOPERATIVES, INC., MINNEAPOLIS, MN 55440



### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Do not take internally. Do not get in eyes or on skin. Do not smoke while using. Wash thoroughly after handling. Wash contaminated clothing before re-use. Flush contaminated eyes with plenty of water and get medical attention. Avoid breathing spray mist or vapors. Do not spray vegetable gardens or other plants used for food purposes. Keep away from food, feedstuffs, and domestic water supplies. Keep container closed.

#### ENVIRONMENTAL HAZARDS

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.

DUREBAN I is toxic to fish, birds, and other wildlife. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Shrimp and crabs may be killed at application rates recommended on this label. Do not apply where these are important resources. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

#### Physical and Chemical Hazards

##### COMBUSTIBLE

**DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME** • Handle Concentrate in a Ventilated Area.

#### DIRECTIONS FOR USE

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

#### STORAGE AND DISPOSAL

**STORAGE:** Keep away from food, feedstuffs, and domestic water supplies. Keep container closed and out of reach of children and pets.

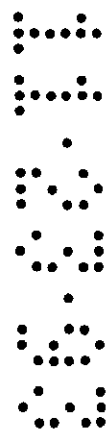
**DISPOSAL:** Do not reuse empty container. Wrap container and put in trash collection.

#### DOSAGES and DIRECTIONS for USE on TURF

Use DUREBAN I to control the pests listed in the following table by application at the recommended dosages and in accordance with the directions given below. Dilute DUREBAN I 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.

Pest	Dosage DUREBAN I per 1000 sq. ft.	Remarks
Ants Armyworms Brown dog tick Chiggers Chinch Bugs Clover mite Crickets Cutworms Earwigs Flies Grasshoppers Sod webworms	3 fl. oz.	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.
Turfgrass (Hyperodes) weevil	6 fl. oz.	Spray suspected problem areas in mid-April and again in mid-May or as recommended by your local Agricultural Extension Service specialist for your area.
White grubs (European chafer and Japanese beetle larvae only)	8 to 12 fl. oz.	For white grubs spray when grubs are young and actively feeding near the soil surface, usually during late July and August or as recommended by your local Agricultural Extension Service specialist for your area. Immediately after spraying irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the underlying soil.

3 fl. oz. per 1000 sq. ft. 3 fl. oz. per 3000 sq. ft. 2 pints per 10,700 sq. ft. 4 quarts per acre.



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**DOSAGES and DILUTIONS for USE on ORNAMENTAL PLANTS**

Pests of Ornamentals: Use DURSBAN I 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 I 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, polkaettias, rose bushes, or variegated ivy because of possible injury to these plants.

Pests Controlled	Amount of DURSBAN I in Water to make			
	3 gallons	10 gallons	100 gallons	
Aphids Bagworms Easter tent caterpillar Fall webworm Grasshoppers Cutworms Leafhoppers Mealybugs	Mites Orangestriped oakworm Spittlebugs Whiteflies Yellownecked caterpillar	1.0 fl. oz.	3.2 fl. oz.	1 quart*
Ash borer Lilac borer	Mimosa webworm Redhumped caterpillar Thrips (exposed) Scale crawlers Oak lecanium Pine needle Tea White peach	2.0 fl. oz.	6.4 fl. oz.	2 quarts**
		4 fl. oz.	12.8 fl. oz.	4 quarts***

- \*Equivalent to 4 ounces of chlorpyrifos per 100 gallons
- \*\*Equivalent to 8 ounces of chlorpyrifos per 100 gallons
- \*\*\*Equivalent to 1 pound of chlorpyrifos per 100 gallons

**NOTE:** Mosquitoes coming to rest on areas treated for control of turf and ornamental plant pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

**Attention (Lawn and Ornamental Plant Pests):** Keep children and pets off treated areas until spray has dried. Keep out of lawn and garden fishpools and other bodies of water.

**ADDITIONAL USE INFORMATION**

**Pests on Outside Surfaces of Buildings:** Use DURSBAN I at the rate of 8½ fluid ounces per gallon of water (0.5% chlorpyrifos emulsion) to control ants, clover mites, cockroaches, crickets, earwigs, fleas, flies, millipedes, mosquitoes, sowbugs, spiders and ticks by application as residual spray or with a paint brush to outside surfaces of buildings including porches, screen window frames, eaves, patio, garages, refuse dumps and other areas where these pests congregate or have been seen. Do not treat or allow the spray to contact plants (lawns, flowers, 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, 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 1 quart of DURSBAN I 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.

**WARRANTY AND LIMITATION OF DAMAGES**

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty, including any other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so except in writing with a specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

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