

Reg # 8378-34

PM-19

125



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

MAY 06 1994

H. R. McLANE  
H.P. McLANE  
AGENT FOR: KNOX FERTILIZER CO., INC.  
7210 S W 57TH AVE - SUITE 212A  
MIAMI, FL 33143

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 04/04/94 in Response to PR Notice 93-7  
EPA Reg. No. 8378-34  
2.32 DURBAN GRANULES

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 next 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.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

Page 2

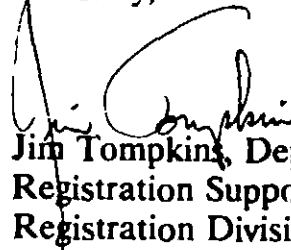
Submit the final printed labeling via the U.S. Postal Service to:

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,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

H. R. MCLANE  
8378-34 04/04/94  
2.32 DURSBAN GRANULES  
Original Submission

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

The bodywear requirement for early entry in the Agricultural Use Requirements box on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Coveralls". The exact location is shown in Sections F and G on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

You must retain from your original label any statements about entry restrictions that apply to non-agricultural uses on your product. Create a Non-Agricultural Use Requirements box in the Directions For Use section of your labeling and add the statements: "The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses." Then add to the box the statements that are in brackets [] on your original label. Please refer to the instructions for creating a Non-Agricultural Use Requirements box starting on page 45 of Supplement Three to PR Notice 93-7 (Main Labeling Guidance).

Keep children and pets off treated areas until sprays have dried. Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

Correct the typographical errors circled on your proposed label.

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

# GRANULES

485

For Commercial Insect Control in Ornamental & Recreational Turf - Controls Ants, Fleas, Ticks, and Chiggers - Controls Fire Ants - Also For Treating Potting Soils and Container Grown Nursery Stock  
**1 LBS TREATS UP TO 1,000 SQ.FT.**

Controls Ants, Armyworms (Beet, Fall, Yellowstriped), Brown Dog Ticks\*, Centipedes, Chiggers\*, Chinch Bugs\*, Clover Mites, Cutworms, Crickets, Earwigs, European Crane Fly larvae\*, Fiery Skipper, Fleas\*, Grasshoppers, Leafhoppers, Millipedes, Sod Webworms\* (Lawn Moth), Sow Bugs, Springtails, Turfgrass Weevil\* (Hyperodes), White Grubs\* (Species of Black Turfgrass Attenius, European Chafer, Southern Chafer, Japanese Beetle and June Beetle larvae), Bluegrass Billbugs\*, Fire Ants\*.

\*See Specific Directions

**RESIDUAL INSECT CONTROL FOR PARKS - GOLF COURSES - ATHLETIC FIELDS - HOME LAWNS  
FOR OUTSIDE OF HOMES - APARTMENTS - CONDOMINIUMS - WAREHOUSES - HOSPITALS  
SCHOOLS - FOOD HANDLING ESTABLISHMENTS - COMMERCIAL AND OFFICE BUILDINGS**

#### ACTIVE INGREDIENT:

Chlorpyrifos: [O,O'-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate] . . . 2.32%

INERT INGREDIENTS: . . . 97.68%

Total 100.00%



FIRE  
ANTS

DURSBAN® is a Registered  
Trademark of DowElanco

EPA Reg. No. 8378-34

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**



TICKS

EPA Est. No. 8378-IN-1

#### STATEMENTS OF PRACTICAL TREATMENT

**ORGANOPHOSPHATE: IF SWALLOWED:** Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. DO NOT induce vomiting or give anything by mouth to an unconscious or convulsing person. Get medical attention. **IF IN EYES:** Flush eyes with plenty of water. **IF ON SKIN:** In case of contact, remove contaminated clothing and wash affected area with soap and water. **NOTE TO PHYSICIAN:** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote only by injection.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** May be harmful if swallowed. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep away from food, feedstuffs, and water supplies. Where watering-in is required keep children and pets off treated areas until the grass is dry.

##### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants; waterproof gloves; shoes plus socks and a DustMist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). 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. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

##### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### 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 statements on this label about personal protective 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 12 hours. PPE required for entry into 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 long-sleeved shirt and long pants; waterproof gloves and shoes plus socks.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters. Use only as directed.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in its original labeled container in a cool, dry, locked place out of reach of children. **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. **HOUSEHOLD:** Do not re-use empty container. Wrap container and put in trash.

#### \*COMMERCIAL CONTROL

The following paragraphs correspond to insects followed by asterisk(\*) on the above front panel. Insects not followed by an Asterisk(\*) may be controlled by following the instructions "FOR USE ON LAWNS, etc. Repeat treatments as needed for control.

#### CHIGGERS, TICKS, & FLEAS

Use 1 lb. per 1,000 sq.ft. (10 lb. per 10,000 sq.ft.) for area control of these insects, infesting non-crop land areas such as roadsides, footpaths, and trails, picnic and camping sites, parks, recreational areas and around dwellings where these pests are present and are creating a nuisance. DO NOT allow use of treated area during applications. For Fleas (out-of-doors; only) also treat sleeping quarters and other areas frequented by pets such as beneath porches and along fencing.

#### CHINCH BUGS

Apply 1 to 1 1/2 lbs. per 1,000 sq.ft. when insects appear or their damage is imminent. To prevent damage apply as soon as daily temperatures reach 80 degrees and repeat every 2 months. Use low rate for minimum infestations; higher rate for heavy infestations.

#### SOD WEBWORMS

For Sod Webworms, delay watering or mowing the treated area for 12 to 24 hours after treatment. Treat in the spring or when insects first appear troublesome. Additional treatments at 30 day intervals may be needed for new infestations. Apply at rate of 1 lbs. per 1,000 sq.ft.

#### TURFGRASS WEEVIL

Use 5 lbs. per 2,500 sq.ft. Treat suspected problem areas in mid-April and again in mid-May or as recommended by your local Agricultural Extension Service.

#### WHITE GRUB SPECIES CRANE FLY LARVAE

#### IMPORTED FIRE ANT CONTROL MOUND TREATMENT

To control Fire Ants in lawns, turf and premise areas, apply 2 ounces (approx. 8 to 10 level tablespoonfuls) evenly over and around each mound. For best results; do not disturb the mound before or during the application. Apply in cool weather (65-80 F); or in early morning or later evening. Treat new mounds as they appear.

#### FIRE ANT CONTROL IN NURSERY, BENCH AND POTTING SOILS INTENDED PRIMARILY FOR WOODY ORNAMENTALS TO BE GROWN OUTDOORS IN CONTAINERS

Mix 1 lb. + 2 oz. (18 ounces) of this product with 1 cubic yard of growing medium. Thoroughly blend granules into media using an appropriate mechanical mixer. Wear dust mask, body covering clothing and chemical resistant gloves during this operation. Do not use plants which have been exposed to treated soil for food or feed purposes. For 10" or 12" potted plants use 4 lbsp. Mix into soil surface.

#### FOR USE ON LAWNS, PARKS, GOLF COURSES, SOD FARMS, PLAYGROUNDS and ALL OTHER ORNAMENTAL and RECREATIONAL TURF AREAS

Apply 2.32 Dursban® Granules uniformly to home lawns, golf courses, parks, playgrounds, sod farms, and any other ornamental and recreational turf and non-crop land areas using any hand or power operated gravity or rotary type spreader designed for application of granules.

#### SURFACE INSECTS

For Surface Insects: Ants, Armyworms (Beet, Fall, Yellowstriped) Ticks, Centipedes, Cutworms, Crickets, Earwigs, Fiery Skipper, Grasshoppers, Leafhoppers, Millipedes, Clover Mites, Sowbugs, and Springtails, use 1 lb. per 1,000 sq.ft. (44 lbs. per acre). Treat when insects first appear.

#### SOIL INSECTS

For Soil Insects as listed on this label increase the rate to 2 lbs. per 1,000 sq.ft. For increased effectiveness, follow the granule application with a thorough watering to move the insecticide into the soil. Repeat treatment as necessary.

#### SPREADER SETTINGS

Make of Spreader	For Surface Insects 1 lbs./1,000 sq.ft.	For Soil Insects 2 lbs./1,000 Sq.ft.
Ortho Broadcast #4000	1	1 1/2
Cyclone	3	3 1/2
Scotts Rotary #ER 2	25 1/2	27 1/2

For the Ortho broadcast spreader make 2 passes (up and back) over the same 12 ft wide section following the same wheel tracks. The light weight of the granules causes a heavier application over the 6 ft wide swath to the left, so two trips (one up and one back) evens out the application. Make next pass 12 ft. over from wheel tracks, and repeat process. Above spreader settings are approximate. Rate of walk, moisture and spreader condition can vary the setting necessary to apply the correct amount.

#### INSECT CONTROL USING BAND AND PERIMETER TREATMENT AROUND THE OUT- SIDE OF FOOD HANDLING ESTABLISHMENTS, HOSPITALS, HOMES, SCHOOLS, AND COMMERCIAL STRUCTURES

USE FOR CRAWLING INSECT CONTROL OUTSIDE OF HOMES, APARTMENTS, CONDOMINIUMS, WAREHOUSES, HOSPITALS, SCHOOLS, FOOD

BEST AVAILABLE COPY

**STATEMENTS OF PRACTICAL ORGANOPHOSPHATE: IF SWALLOWED:** Drink 1 or 2 glasses of water. Do NOT induce vomiting or consulting person. Get medical attention. **EYES:** If in case of contact, remove contaminated clothing and wash affected area with soap and water. **PHYSICAL:** Calypso is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote only by injection.

Fundicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 8378-34

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** May be harmful if swallowed. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep away from food, feedstuffs, and water supplies. Where watering-in is required keep children and pets off treated areas until the grass is dry.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants; waterproof gloves; shoes plus socks and a dust/mist filtering respirator (MSHA/NIOSH approval number TC-21C). 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. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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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 statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirement 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 12 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: long-sleeved shirt and long pants; waterproof gloves and shoes plus socks.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters. Use only as directed.

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### \*COMMERCIAL CONTROL

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### CHINCH BUGS

Apply 1 to 1 1/2 lbs. per 1,000 sq. ft. when insects appear or their damage is imminent. To prevent damage apply as soon as daily temperatures reach 80 degrees and repeat every 2 months. Use low rate for minimum infestations; higher rate for heavy infestations.

### SOD WEBWORMS

For Sod Webworms, delay watering or mowing the treated area for 12 to 24 hours after treatment. Treat in the spring or when insects first appear troublesome. Additional treatments at 30 day intervals may be needed for new infestations. Apply at rate of 1 lbs. per 1,000 sq. ft.

### TURFGRASS WEEVIL

Use 5 lbs. per 2,500 sq. ft. Treat suspected problem areas in mid-April and again in mid-May or as recommended by your local Agricultural Extension Service.

### WHITE GRUB SPECIES

### CRANE FLY LARVAE

To control White Grubs (Black Turfgrass Aeneas, European Chafer, Southern Masked Chafer, Japanese Beetle and June Beetle Larvae), use 10 lbs. to treat 5,000 sq. ft. For increased effectiveness, follow the granule application with a thorough watering to move the insecticide into the soil. For best results remove thatch first and treat when grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your local Agricultural Extension Service Specialist for best time to treat. European Crane Fly larvae will be controlled using 10 lbs. per 3,335 sq. ft. or will be controlled simultaneously with the same application being applied for control of "White Grubs" i.e. (10 lbs. per 5,000 sq. ft.). Consult your Agricultural Agent for proper time to apply. For best results, first remove thatch. Water the granules into the soil.

### BLUEGRASS BILLBUGS

Use 10 lbs. per 5,000 sq. ft. for Billbug grubs. Remove thatch before treatment. Wash granules into soil as for White Grubs.

## IMPORTED FIRE ANT CONTROL MOUND TREATMENT

To control Fire Ants in lawns, turf and premise areas, apply 2 ounces (approx. 8 to 10 level tablespoonfuls) evenly over and around each mound. For best results; do not disturb the mound before or during the application. Apply in cool weather (65-80 F); or in early morning or later evening. Treat new mounds as they appear.

## FIRE ANT CONTROL IN NURSERY, BENCH AND POTTING SOILS INTENDED PRIMARILY FOR WOODY ORNAMENTALS TO BE GROWN OUTDOORS IN CONTAINERS

Mix 1 lb. + 2 oz. (18 ounces) of this product with 1 cubic yard of growing medium. Thoroughly blend granules into media using an appropriate mechanical mixer. Wear dust mask, body covering clothing and chemical resistant gloves during this operation. Do not use plants which have been exposed to treated soil for food or feed purposes. For 10" or 12" potted plants use 4 lbs. Mix into soil surface.

## FOR USE ON LAWNS, PARKS, GOLF COURSES, SOD FARMS, PLAYGROUNDS and ALL OTHER ORNAMENTAL and RECREATIONAL TURF AREAS

Apply 2.32 Dursban® Granules uniformly to home lawns, golf courses, parks, playgrounds, sod farms, and any other ornamental and recreational turf and non-crop land areas using any hand or power operated gravity or rotary type spreader designed for application of granules.

## SURFACE INSECTS

For Surface Insects: Ants, Armyworms (Beet, Fall, Yellowstriped) Ticks, Centipedes, Cutworms, Crickets, Earwigs, Fiery Skipper, Grasshoppers, Leafhoppers, Millipedes, Clover Mites, Sowbugs, and Springtails, use 1 lb. per 1,000 sq. ft. (44 lbs. per acre). Treat when insects first appear.

## SOIL INSECTS

For Soil Insects as listed on this label increase the rate to 2 lbs. per 1,000 sq. ft. For increased effectiveness, follow the granule application with a thorough watering to move the insecticide into the soil. Repeat treatment as necessary.

### SPREADER SETTINGS

Make of Spreader	For Surface Insects 1 lbs / 1,000 sq. ft.	For Soil Insects 2 lbs / 1,000 Sq. Ft.
Ortho Broadcast #4000	1	1 1/2
Cyclone	3	3 1/2
Scotts Rotary #ER-2	25 1/2	27 1/2

For the Ortho broadcast spreader make 2 passes (up and back) over the same 12 ft. wide section following the same wheel tracks. The light weight of the granules causes a heavier application over the 6 ft. wide swath to the left, so two trips (one up and one back) evens out the application. Make next pass 12 ft. over from wheel tracks, and repeat process. Above spreader settings are approximate. Rate of walk, moisture and spreader condition can vary the setting necessary to apply the correct amount.

## INSECT CONTROL USING BAND AND PERIMETER TREATMENT AROUND THE OUTSIDE OF FOOD HANDLING ESTABLISHMENTS, HOSPITALS, HOMES, SCHOOLS, AND COMMERCIAL STRUCTURES

USE FOR CRAWLING INSECT CONTROL OUTSIDE OF HOMES, APARTMENTS, CONDOMINIUMS, WAREHOUSES, HOSPITALS, SCHOOLS, FOOD HANDLING ESTABLISHMENTS AND COMMERCIAL BUILDINGS.

To protect against insects entering the indoors, a band of granules may be placed around the outside of buildings to kill Ants, Brown Dog Ticks, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, Springtails and Spiders before they attempt to enter. Use 1 pound to treat 500 Sq. Ft. (as a band 5 ft. x 100 ft. long) around the structure. Apply when insects have become troublesome or before they cause problems in the spring or early fall. Repeat one month later and then as needed for control but not more than once every 7 days.

NOTICE: Buyer and user assumes all risk and liability of use, storage and/or handling of this product not in accordance with the terms of this label  
(8378 34 PM4 12 01 93)wrg in accpld 03 09 9434 wps pm5 & Cert wps submd 03 24 94)

NET WEIGHT 1; ( 10; 20; 40 ) POUNDS

# Knox Fertilizer Company, Inc.

P.O. Box 248 - Knox, IN 46534

**BEST AVAILABLE COPY**