

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	EPA REGISTRATION NO. 8378-33	DATE OF ISSUANCE October 1, 1991
	TERM OF ISSUANCE Until Reregistration	
	NAME OF PESTICIDE PRODUCT Dursban 1.14 Granules	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Knox Fertilizer Company, Inc.
P.O. Box 248
Knox, IN 46534

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others. This product is conditionally registered in accordance with FIFRA

- section 3(c)(7)(A) provided that you:
1. Submit/bring all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) and FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
 2. Add the phrase "EPA Registration No. 8378-33" to your label before you release the product for shipment.
 3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.
- If these conditions 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 constitutes acceptance of these conditions.
- A stamped copy of the label is enclosed for your records.

BEST AVAILABLE COPY

Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosures

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL <i>Dennis H Edwards Jr</i>	DATE 10/1/91
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DURSBAN[®] 1.14 GRANULES

Controls Insects in Ornamental & Recreational Turf - Perimeter Control of Ants, Fleas, Ticks, and Chiggers
Controls Fire Ants by Mound Treatment, in Potting Soils and in Nursery Containers
1 LBS TREATS UP TO 500 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 Ataenius, European Chafer, Southern Chafer, Japanese Beetle and June Beetle larvae), Bluegrass Billbugs*, Fire Ants*.
*See Specific Directions

**USE FOR CRAWLING INSECT CONTROL OUTSIDE OF HOMES - APARTMENTS - CONDOMINIUMS
WAREHOUSES - HOSPITALS - SCHOOLS
OUTSIDE OF FOOD HANDLING ESTABLISHMENTS and COMMERCIAL BUILDINGS**



DURSBAN is a Registered Trademark of DowElanco
EPA Reg. No. 8378-

ACTIVE INGREDIENT:
Chlorpyrifos: [O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate] 1.14%
INERT INGREDIENTS: 98.86%
Total 100.00%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**



EPA Est. No. 8378-IN-1

STATEMENTS OF PRACTICAL TREATMENT

IF ALLOWED: 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. Wash thoroughly after handling and before eating or smoking. Wash contaminated clothing before reuse. Keep away from food, feedstuffs, and water supplies. Keep children and pets off treated area until this material is washed into the soil and the grass is dry.

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.
SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENT

DIRECTIONS FOR USE

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

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.

*SPECIFIC DIRECTIONS

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.

SURFACE INSECTS

CHIGGERS, TICKS, & FLEAS

Use 1 lb. per 500 Sq.Ft. (10 lb. per 5,000 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 2 to 3 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 2 lbs. per 1,000 Sq.Ft.

SOIL INSECTS

Observe proper spreader settings for these higher rates.

TURFGRASS WEEVIL

Use 10 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 Ataenius, European Chafer, Southern Masked Chafer, Japanese Beetle and June Beetle Larvae), use 10 lbs. to treat 2,500 sq.ft. After applications apply enough water to thoroughly wash the insecticide into the turf. For best results remove thatch first & 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* (10 lbs. per 2,500 Sq.Ft.). Consult your Agricultural Agent for proper time to apply. For best results, first remove thatch. Water the granules into the soil.

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.

(08-01-91)

NET WEIGHT 1; (10; 20) POUND(S)

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BLUEGRASS BILLBUGS

Use 10 lbs. per 2,500 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. 10 level tablespoonfuls) evenly over and around each mound. After application of granules, gently sprinkle the treated area with a minimum of 1 quart water per 6 inches of mound diameter. 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 SOIL INTENDED PRIMARILY FOR WOODY ORNAMENTALS TO BE GROWN OUTDOORS IN CONTAINERS

Mix 2 1/4 lbs. of this product with 1 cubic yard of growing medium. Thoroughly blend granules into media using an appropriate mechanical mixer. Do not hand mix or hand fill containers unless wearing dust mask, body covering clothing and chemical resistant gloves. Do not use plants which have been exposed to treated soil for food or feed purposes.

FOR USE ON LAWNS, GOLF COURSES, SOD FARMS and ALL OTHER ORNAMENTAL and RECREATIONAL TURF

Apply Dursban[®] 1.14 Granules uniformly to home lawns, golf courses, sod farms, and 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. Treat when insects first appear, using granules at the rate of (10 lbs. per 5,000 sq.ft.) or 88 lbs. per acre for Surface Insects. Increase this rate as indicated for control of certain Soil Insects as outlined in separate paragraphs. Immediately after application, sprinkle* the turf with 30 gallons of water per 1,000 Sq.Ft. (1300 gals. per acre) to move the granules into the zone of insect infestation. The following table gives amounts of Dursban[®] 1.14 Granules and water required for small areas. Repeat treatment as necessary. *Observe delayed watering for Sod Webworms. **See Spreader Settings in chart below.

FOR SURFACE INSECTS

For control of Ants, Armyworms (Beet, Fall, Yellowstriped), Brown Dog Ticks, Centipedes, Chiggers, Chinch Bugs, Cutworms, Crickets, Earwigs, Fiery Skipper, Fleas, Grasshoppers, Leafhoppers, Millipedes, Clover Mites, Sod Webworms, Sowbugs, Springtails and Ticks use 1 lb. per 500 Sq.Ft.

Sq.Ft. to be Treated	Pounds of Granules	Gallons of Water to Sprinkle on Area after Treatment
500	1 lb.	5 gals.
1,000	2 lbs.	30 gals.
5,000	10 lbs.	150 gals.
10,000	20 lbs.	300 gals.

USE AS A BAND (PERIMETER) TREATMENT AROUND THE OUTSIDE OF HOMES & OTHER 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 to 2 pounds 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. Keep children and pets off treated area until granules are sprinkled in and the area is dry.

**SPREADER SETTINGS FOR APPLICATION TO LAWNS

Make of Spreader	For Surface Insects 2 lbs./1,000 sq. ft.	For Soil Insects 4 lbs./1,000 Sq.Ft.
Ortho Drop #3000	6	7
Ortho Broadcast #4000	1 1/2	5
Scot #PF-1	5	6 1/2
Central	7	6
Jackson	5 1/2	6 1/2
Glorion	7	6
Seers	7	6
Cyclone	3 3/4	4 1/2
Scot's Rotary #ER-2	25 1/2	27 1/2
Whitbybird	3	3

For the Ortho Whitbybird one slightly rounded hopperful holds 2 lbs. of product. For 2 lbs. rate set at 3 on make 2 passes over the 20' x 50' area. For the 4 lbs. rate set at 3 and make 4 passes over the same 20' x 50' area. 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) covers out the application. Make next pass 12 ft. over from wheel tracks, and repeat process. Above spreader settings are approximate. Check your spreader on 100 sq. ft. and adjust to apply 2 1/4 oz. at the 2 lbs.* setting and 4 1/2 oz. at the 4 lbs.* setting. Rate of walk, moisture and spreader condition can vary the setting necessary to apply the correct amount.

ALCOHOL
with COMMENTS
In EPA Letter Dated:

OCT 1 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
8378-33