

SEP 27 1993

Mr. Michael A. Jackson
Dexol Industries
1450 West 228th Street
Torrance, California 90501

Subject: Revised Labeling--Addition of Mole Crickets
Dexol Dursban Granules Insect Control
EPA Registration Number 192-180
Your Application Dated August 24, 1993

Dear Mr. Jackson:

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

On the page of the draft labeling headed "[BACK PANEL - PAGE 1]," revise the paragraph beginning "To help obtain uniform distribution..." by adding a final sentence, "Keep children and pets off of treated areas until areas have completely dried."

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.

Sincerely yours,

DHE

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

Enclosure

[FRONT PANEL]

ACCEPTED
with COMMENTS
in EPA Letter Dated

SEP 27 1993

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

DEXOL

DURSBAN*
GRANULES
INSECT CONTROL

- For Home Lawns, Flower Beds, Under Shrubbery, and Other Ornamental Turf Areas
- For Control of Chinch Bugs, Sod Webworms (Lawn Moths), Ants, Ticks, Crickets, Cutworms, Earwigs, Fleas, Sowbugs (Pillbugs), Mole Crickets, Certain White Grubs and Hyperodes (Turfgrass) Weevils and More.

ACTIVE INGREDIENT:

*Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate]

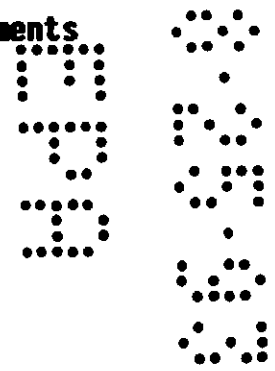
.....	1.00%
INERT INGREDIENTS:	99.00%
TOTAL:	100.00%

Keep Out of Reach of Children

CAUTION

See back panel for additional precautionary statements

*DURSBAN and the protection logo are trademarks of DowElanco



NET WEIGHT _____ LBS.

[BACK PANEL - PAGE 1]

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

READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY. DO NOT USE THIS PRODUCT FOR USES OR APPLY TO SITES OTHER THAN THOSE LISTED ON THIS LABEL. THIS PRODUCT IS ONLY FOR USE AROUND HOME AREAS AS INSTRUCTED BELOW.

Dexol Dursban Granules Insect Control effectively controls Chinch Bugs, Fleas, Ants, Crickets, Sowbugs(Pillbugs), Billbugs, Mole Crickets, Cutworms, Grasshoppers, Boxelder Bugs, Clover Mites, Sod Webworms (Lawn Moths), Chiggers, Fire Ants, Earwigs, Hyperodes (turfgrass) Weevils, European Crane Fly Larvae, White Grubs, and Ticks (including deer ticks).

HOW TO APPLY: Unless otherwise specified below, apply Dexol Dursban Granules Insect Control uniformly to home lawns at the rate of 2.5 lbs. per 1,000 sq.ft. Use the table below to determine the amount of water to be applied following treatment. Apply with any hand or power operated gravity or rotary type spreader designed for accurate application of granular materials. SEE SPREADER SETTINGS ON SIDE OF BAG. Treat when insects first appear; retreat as needed.

To help obtain uniform distribution, apply one-half the required amount of product in one direction; then apply the balance at a right angle. Immediately after application, thoroughly water the treated turf to wash the insecticide into the zone of insect infestation.

Area to Be Treated	Gallons of Water to Sprinkle on Area after Treatment
400 sq.ft.	5 gallons
1,000 sq.ft.	30 gallons
5,000 sq.ft.	150 gallons
10,000 sq.ft.	300 gallons

CHINCH BUGS: Apply when insects appear and/or their damage is imminent. Control will last up to 8 weeks. To prevent damage apply as soon as daily temperature reaches 80°F and repeat every 2 months.

MOLE CRICKETS: To control mole crickets, apply Dexol Dursban Granules Insect Control at a rate of 4 1/2 lbs. per 1,000 sq.ft. Apply when early stage nymphs are active. Efficacy may be enhanced by applying late in the afternoon or early evening and watering the turf prior to treatment to move the mole crickets close to the soil surface.

SOD WEBWORMS: Delay watering or mowing the treated area for 12-24 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.

WHITE GRUB CONTROL: (such as larvae of Japanese Beetle, Black Turfgrass atenius, European chafer, and Southern Masked chafer). Apply Dexol Dursban Granules.

[BACK PANEL - PAGE 2]

Insect Control at a rate of 5 lbs. per 1,000 sq.ft. SEE SPREADER SETTINGS ON SIDE OF BAG. When high populations of grubs are present in the area to be treated, a repeat application of 5 lbs. per 1,000 sq.ft. may be made 7 to 14 days following the initial application. Apply the granules uniformly over the treated area, followed immediately by a thorough watering to wash the insecticide into the soil. For best results, treat when grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your local Agricultural Extension Service for proper time to treat in your area.

EUROPEAN CRANE FLY (larvae): Apply 3.5 lbs. of Dextol Dursban Granules Insect Control per 1,000 sq.ft. SEE SPREADER SETTINGS ON SIDE OF BAG. Immediately after application, sprinkle the turf with 30 gallons of water per 1,000 sq.ft. For timing of applications you should consult your local Agricultural Extension Service.

TURFGRASS WEEVIL CONTROL (larvae of Hyperodes weevil): Apply 5 lbs. of Dextol Dursban Granules Insect Control per 1,000 sq.ft. SEE SPREADER SETTINGS ON SIDE OF BAG. Apply the granules uniformly over the area to be treated. Treat suspected problem areas in mid-April and again in mid-May or as recommended by your local Agricultural Extension Service specialist.

TO HELP PREVENT INFESTATION OF BUILDING BY INSECTS: Ants, Crickets, Sowbugs (pillbugs), Earwigs, Ticks, Spiders, Crickets, Fleas, Clover Mites, Boxelder Bugs: Use 1 lb. to treat 400 sq.ft. (as a band 5 ft. to 40 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.

TO CONTROL INSECTS IN FLOWER GARDENS AND UNDER AND AROUND SHRUBBERY SUCH AS: Ants, Crickets, Sowbugs (pillbugs), Earwigs, Ticks, Cutworms, Grasshoppers, Armyworms. Apply evenly over soil within flower beds and under shrubbery. Use the dosage recommended on turf.

FIRE ANT CONTROL (for individual fire ant mounds): Apply Dextol Dursban Granules Insect Control at a rate of 2 ounces (4 tablespoons) per active mound. Sprinkle granules gently and evenly over surface of mound and out approximately two feet surrounding the mound. Avoid disturbing ants. NOTE: For best results, apply in cool weather, 65°-80°F, or in early morning or late evening hours. Treat new mounds as they appear.

FOR CONTROL OF TICKS INFESTING AREAS AROUND HOUSES AND IN YARD AREAS: Use the same dosage recommended on Home Lawns. Treat perimeter of house and yard by applying under shrubbery, in and around ground cover, and around and under patios. Treat edges or perimeter of yard area where grass and other ground cover plants exist and other areas that appear likely to serve as harborage sites for ticks that have removed themselves from their host. Prior to and following treatment, weeds and high grasses should be kept trimmed to reduce tick harborage sites. Rodents can serve as hosts for ticks. Rock piles, wood piles, and other rodent habitats should be removed or reduced. Key months for deep tick control are April through November in most parts of the country. For specific timing of application in your geographic area, contact your local extension service.



[BACK PANEL - PAGE 3]

NOTE: During application tuck pant legs into socks to avoid tick bites. An insect repellent sprayed onto lower legs and socks should give additional protection from possible bites. Wearing light colored pants and socks will aid in spotting ticks that may attack during treatment.

STORAGE & DISPOSAL

Storage: Store in a cool, dry place. Keep in original container and preferably in a locked storage area. **Pesticide Disposal:** Securely wrap container in several layers of newspaper and discard in trash. **Container Disposal:** Do not reuse container. Discard container in trash.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: May be harmful if swallowed, inhaled or absorbed through skin. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling and before eating or smoking. Wash contaminated clothing before reuse. Keep away from food, feedstuffs or domestic water supplies. Keep children and pets off of treated areas until areas are have completely dried. Food utensils such as teaspoons or measuring cups should not be used for food purposes after use with this product.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center immediately. Have victim 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. **If Inhaled:** Remove victim to fresh air. If symptoms of cholinesterase inhibition appear, get medical attention immediately. Apply artificial respiration if indicated. **If on Skin:** Remove contaminated clothing and wash affected areas with plenty of soap and water. Get medical attention if irritation persists. **If in Eyes:** Flush eyes with plenty of water. Get medical attention if irritation persists. **NOTE TO PHYSICIAN:** Active ingredient is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote.

ENVIRONMENTAL HAZARDS

This product is toxic to birds, fish and aquatic invertebrates. Birds feeding on 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. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

NOTICE: SELLER MAKES NOT WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE USE OF THIS PRODUCT OTHER THAN INDICATED ON THE LABEL. BUYER ASSUMES ALL RISKS OF USE AND/OR HANDLING OF THIS MATERIAL WHEN SUCH USE AND/OR HANDLING IS CONTRARY TO LABEL INSTRUCTIONS.

DEXOL INDUSTRIES
Torrance, CA 90501

EPA REG. NO. 192-180
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Superscript used is first letter of lot number.

EPA EST NO. 192-CA-1(D); 44616-MO-1(H); 769-GA-1(S); 9198-OH-1(A)

[SIDE PANEL]

SPREADER SETTINGS

To help obtain uniform distribution, apply one-half the required amount of product in one direction, then apply the balance at a right angle.

Spreader settings are approximate. Your spreader may need recalibration due to age and use. Test proper working condition by placing 1.25 lbs. of GRANULES into your spreader using the setting at the 2.5 lb. rate. Apply over a pre-measured area of 500 sq.ft. (5 ft. X 100 ft. long). If the spreader contains granules at the end of the test, open the spreader 1/2 to 3/4 setting; if granules have run out before the end of the test, close (shut) the spreader 1/2 to 1/3 setting. Repeat test if indicated. Insects may not be killed and control may be "spotty" if your spreader does not apply the exact recommended amount per 1,000 sq.ft. as found on this label.

SPREADER	Rate in lbs. per 1,000 Sq.Ft.			
	2 1/2	3 1/2	5	10
Ortho 3000 Drop Spreader	7	8	9	*
Ortho 4000 Broadcast Spreader	6	7	9	13
Scotts PF-1, PF-2 Drop Spreader	5 1/2	6 1/2	7 1/2	10 1/2
Scotts Easy Green Broadcast Spreader	26 1/2	27 1/2	29 1/2	*
Red Devil SB 50 P Broadcast Spreader	3	4 1/2	6	*
Red Devil SB 82 P Broadcast Spreader	3	4 1/2	6	*
Red Devil FH 22 Drop Spreader	4 1/2	5 1/2	6 1/2	*
Central Plastic Drop Spreader	5 1/2	6 1/2	7 1/2	10 1/2
Sears Plastic Drop Spreader	5 1/2	6 1/2	7 1/2	10 1/2
*Spreader Manufacturer recommends two applications at the 5 lb. setting				

