

PM 19 2491-342

File
1043



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

MAR 4 1994

H. R. McLane
Agent for: KOOS, INC.
7210 Red Road - Suite 206
Miami, FL 33143-5321

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

**Subject: Label Amendment Submission of 08/06/93 in Response to PR Notice 93-7
EPA Reg. No. 2491-342
KOOS DURBAN 2.32 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. 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:

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 SoyCanola Ink on paper that
contains at least 50% recycled fiber

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Page 2

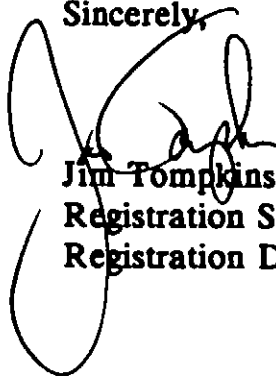
Submit the final printed labeling via the U.S. Postal Service to:

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

KODS DURSBAN® 2.32 GRANULES

For Insect Control In Ornamental & Recreational Turf
Controls Ants, Fleas, and Ticks - Controls Fire Ants
1 POUND TREATS UP TO 1,000 SQ.FT.

Controls Ants, Armyworms (Beet, Fall, Yellowstriped), Brown Dog Ticks*, Centipedes, Chinch Bugs*, Clover Mites, Cutworms, Crickets, Earwigs, European Crane Fly larvae*, Flea Skipper, Fleas*, Grasshoppers, Leafhoppers, Millipedes, Mole Crickets, Sod Webworms* (Lawn Moth), Sow Bugs, Springtails, Turfgrass Weevil* (Hyperodes), White Grubs* (Species of Black Turfgrass Aeneas, 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%

DURSBAN® is a Registered
Trademark of DowElanco

KEEP OUT OF REACH OF CHILDREN
CAUTION

EPA Reg. No. 2491-342

EPA Est. No. 2491-WI-1

STATEMENTS OF PRACTICAL TREATMENT

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. 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 areas until this material is washed into the soil and the grass is dry.

ENVIRONMENTAL HAZARDS

This product 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. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean highwater mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

MENT 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 treatment as needed for control.

TICK AND 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 1.5 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 lb. per 1,000 sq. ft.

SOIL INSECTS

TURFGRASS WEEVIL

Use 2 lbs. per 1,000 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

MOLE CRICKETS

To control White Grubs (Black Turfgrass Aeneas, European Chafer, Southern Masked Chafer, Japanese Beetle and June Beetle larvae), and Mole Crickets, apply 2 to 4 lbs. per 1,000 sq. ft. When the higher rate is required make two applications of 2 lbs. per 1,000 sq. ft. spaced 14 days apart. After application apply enough water to thoroughly wash the insecticide into the turf. 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 1.5 lbs. per 1,000 sq. ft. or will be controlled simultaneously with the same application being applied for control of "White Grubs" (2 lbs. per 1,000 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 2 lbs. per 1,000 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 1 ounce (approx. 4 to 5 level tablespoons) 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.

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

Apply Dursban® 2.32 Granules uniformly to home lawns, golf courses, parks, playgrounds, 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, Flea Skipper, Grasshopper, Leafhoppers, Millipedes, Clover Mites, Sowbugs, and Springtails use 1 lb. per 1,000 sq. ft. (44 lbs. per acre). Treat when insects first appear. Sprinkle the turf lightly to wash granules off grass to soil surface. Observe delayed watering for Sod Webworm control.

SOIL INSECTS

For Soil Insects as listed on this label including Mole Crickets increase the rate to 2 lbs. per 1,000 sq. ft. immediately after application, irrigate the turf with 30 gallons of water per 1,000 sq. ft. (or equivalent to 1/2 inch water) to move the granules down into the zone of insect infestation. Repeat treatment as necessary.

SPREADER SETTINGS

Make of Spreader	For Surface Insects 1 lb./1,000 sq. ft.	For Soil Insects 2 lbs./1,000 sq. ft.
Orion Broadcast 64000	1 1/2	1 1/2
Cyclone 84 Fire	3	3 1/2
Scots Rotary RER 2	25 1/2	27 1/2

For the Orion 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 8 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. Rate of walk, moisture, and spreader condition can vary the settings. Necessary to apply the correct amount.

TREAT LAWNS AND PERIMETER WOODED AREAS FOR CONTROL OF TICKS THAT VECTOR "LYME DISEASE"

For control of Deer Ticks and Lone Star Ticks (which may vector Lyme Disease) and other common ticks (American Dog Tick, Brown Dog Tick, Cattle Fever Tick and Gulf Coast Tick) around houses and in yard areas apply 1 lb. / 1,000 sq. ft. When applying granules take precautions against ticks by tucking pant legs into socks and by applying an insect repellent to shoes and clothing. Wear light colored clothing to aid in spotting ticks that may cling to your clothing when working in the area. Apply granules under shrubbery, in and around ground covers, and around patios. Treat entire lawn and perimeter wooded areas and property boundaries where exposure to ticks may occur. To reduce tick harborage keep all weedy growth well trimmed and mowed before and after treatment. Rodents also serve as hosts for Ticks. Remove rock and/or wood piles and destroy other rodent habitats. Treat April through November or consult your local University Extension Service for proper timing. Ticks may be introduced from surrounding areas on host animals. Repeat treatment as necessary to maintain adequate control levels.

INSECT CONTROL USING BAND AND PERIMETER TREATMENT

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

Do not use indoors. 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 1,000 sq. ft. (on a band 8 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.

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 (2491-342 PM) (accepts 07-22-93)

NET WEIGHT 10, 20, 40, POUNDS

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAR 4 1994
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
this pesticide
registered under EPA Reg. No.
2491-342

KODS INC.

4500 13th Court - Kenosha, WI 53140 U.S.A.