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239-2570

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APR 28 1993

Mr. W. L. Chase, Jr.
Chevron Chemical Company
940 Hensley Street
Richmond, California 94804-0036

Subject: Revised Labeling
Ortho-Klor 1% Dursban Lawn & Soil Granules
EPA Registration Number 239-2570
Your Application Dated March 5, 1993

Dear Mr. Chase:

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:

Delete the claim, "Improved Formula." You may substitute the claim, "New Formula." The claim "New Formula" can be used for six months from the date of this letter, at which time it must be removed from labeling for the product.

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

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT: In case of skin contact, wash skin with plenty of soap and water. In case of eye contact, wash eyes immediately with plenty of water. See a doctor if irritation persists. **Note to Physicians:** Emergency Information -- call 1 800 457 2022.

ENVIRONMENTAL HAZARDS: This pesticide is extremely toxic to fish, birds, and other wildlife. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment wash-waters.

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

READ ENTIRE LABEL USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

FLEA AND TICK CONTROL (OUTDOORS)
 In warm summer months, fleas and ticks frequently become established in lawns and pet resting areas surrounding the home. To control these harmful pests, it is necessary to follow a regular treatment program. Treat once a month beginning when pests first appear in late spring (May - June) and continue until late summer (September - October). Fall temperatures below 50°F help to reduce the severity of these pests. Eliminating weeds around the home and mowing lawns frequently reduces hiding places.

Note: Dogs, cats, their kennel or bedding area should also be treated with a registered product such as ORTHO Pet Flea & Tick Spray Formula II. In addition, if fleas or ticks are indoors on carpets or pet resting areas, use a product such as FLEA-B-GON Flea & Tick Killer or ORTHO Home Pest Insect Control. It is very important that all three sites - outdoors, indoors and also the pet be treated with appropriate labeled products to achieve satisfactory control. If any one of these areas is missed, it can serve as a source of reinfestation to the entire premises.

Mole Crickets
 Mole Crickets are soil inhabiting insects that damage lawns by feeding on grass roots and by forming mole-like tunnels that loosen the soil causing the grass to dry out. The adults grow to 1½ inches long, are brownish and have flattened front legs well adapted for tunneling. Feeding and tunneling occurs primarily at night. The meandering tunnels are easily seen in short or newly planted lawns. Heavily infested lawns gradually turn brown and die.

Sod Webworms (Crambus sp.)
 Sod Webworms are the light brown caterpillars ½ to ¾ inch long, that hide in the grass during the day and feed on the grass blades at night. Adult Webworms, usually referred to as Lawn Moths (about one inch in length with long snout) emerge from the grass at dusk. They fly over the lawn laying eggs that later hatch into destructive caterpillars. Damage appears first as small brown spots which, if not treated, may rapidly develop into large brown areas of severely damaged or dead grass. If Lawn Moths (Sod Webworm Adults) are noticed in large numbers at dusk, or at first sign of damage to lawn, treat entire lawn evenly.



ORTHO

ORTHO-KLOR®

1% DURSBAN®

Lawn & Soil Granules

Treats up to
4,000 sq. ft.

FOR HOME USE ONLY

CONTROLS: Fall Armyworms, Brown Dog Ticks, Leafhoppers, Clover Mites, Spittlebugs, Pillbugs, certain White Grubs & (Turfgrass) Weevils Infesting Home Lawns and Other Or Areas.

ALSO HELPS CONTROL HOME INVADING PESTS FOR GRASS AND DICHONDRA LAWNS

CONTROLS SURFACE AND FOLIAGE FEEDING PESTS
 Sod Webworms, Chinch Bugs, Grasshoppers, Armyworms, Gers, Fleas, Ticks

SOIL INSECTS

Grubs, Mole Crickets

HELPS CONTROL HOME INVADING PESTS

Ants, Cockroaches, Earwigs, Sowbugs, Silverfish, Spiders

VEGETABLE GARDEN INSECTS

Wireworms, Cutworms, Root Maggots, Billbugs

Active Ingredient	By Wt
*Chlorpyrifos (0,0-dimethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate)	1.0%
Inert Ingredients	99.0%

*DURSBAN®—Reg. TM of The Dow Chemical Co.

Keep out of reach of children.

CAUTION

See side panel for additional precautionary statements.

NET WT. 10 LBS.

HOW TO USE: Apply uniformly to home lawns and other home ornamental and recreational turf grass areas using an ORTHO Drop or Broadcast Spreader, ORTHO WHIRLYBIRD® Spreader, or by hand. Treat when insects or signs of feeding damage first appear. Retreat as necessary if reinfestation occurs. For Mole Crickets, apply in May or June when pests are small. Keep children and pets off treated areas until this material is washed into turf and grass is dry. Consult your local Agricultural Extension Service Specialist for proper time to treat in your area.

To Control Surface and Foliage Feeding Pests: Ants, Chinch Bugs, Cutworms, Fall Armyworms, Earwigs, Crickets, Brown Dog Ticks, Fleas, Leafhoppers, Lawn Moth (Sod Webworms), Chiggers, Clover Mites, Grasshoppers, Spittlebugs, Sawbugs, Pillbugs. Apply 2½ lbs. of ORTHO KLO® 1% DURSBA® Lawn & Soil Granules per 1,000 sq. ft. (40' x 25'). Immediately after application, give the lawn a light to moderate watering. See table below for suggested spreader settings.

To Control Soil Insects — Mole Crickets, European Crane Fly/Leather Jacket (Larvae) and White Grubs (Larvae of European Chafer, Southern Chafer and Japanese Beetle): Use double the rate for foliage feeding insects, i.e., 5 lbs./1,000 sq. ft. (see table). Note: An easy way to apply the "higher rate" is to spread the ORTHO KLO® 1% DURSBA® Lawn & Soil Granules at the regular rate (2½ lbs./1,000 sq. ft.) using suggested spreader settings in one direction, then immediately reapply a second application at the same rate (2½ lbs./1,000 sq. ft.) at right angles to the first direction. This helps assure a more uniform distribution for better control. Thoroughly water immediately after application to work the insecticide into the soil. For best results, treat when the grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your local Agricultural Extension Service Specialist for timing of application in your geographic area.

Hyperodes (Turfgrass) Weevils: Use the higher rate (5 lbs./1,000 sq. ft.) described above under White Grubs. Treat suspected problem areas in mid April and again in mid May.

Make of Spreader	Suggested Spreader Settings	
	Delivery 2½ lbs./1,000 sq. ft.	Delivery 5 lbs./1,000 sq. ft.
ORTHO Drop Spreader (Model 3000 Small Wheels)	5½"	7½"
ORTHO Drop Spreader (Model 3000 Large Wheels)	5"	6½"
ORTHO Broadcast Spreader	1½"	5"
Scots Craftsman	6"	8"
Scots (Model PF 1)	5½"	7½"
Scots Easy Green	26½"	28½"
ORTHO WHIRLYBIRD Spreader	3"	4"

An ORTHO WHIRLYBIRD Spreader will hold 1½ lbs. of product when the hopper is filled level to the top. This will cover 100 sq. ft. at the low rate or 250 sq. ft. at the high rate.

Note: Above spreader settings are approximate. Accurately weigh a few pounds into your spreader and apply to measured area. Then adjust spreader setting if necessary to assure correct rate of application.

VEGETABLE GARDEN INSECT CONTROL

ORTHO KLO® 1% DURSBA® Lawn & Soil Granules controls certain garden insects on crops listed below. Apply just prior to planting and immediately mix thoroughly into soil to the specified depth, except where applied with the seed in the seed furrow. Do not make more than one application per season.

Note: One level measuring cup (8 fl. oz.) holds 4 oz. of granules.

CROP	INSECTS CONTROLLED	AMOUNT TO APPLY
Sweet Corn	Cutworms, Wireworms, Billbugs, Grubs, Flea Beetle (Larvae)	Apply ½ lb. (8 oz.) of granules per 100 sq. ft. evenly over the soil surface and work into the top 4 to 6 inches of soil.
Sweet Potatoes	Wireworms, Flea Beetle (Larvae), Sweet Potato Beetle	
Onions (Dry Bulb)	Onion Maggots	Apply 5½ oz. /100 linear feet in the furrow with the seed at the time of planting.
Vegetables (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage, Collards, Kale, Kohlrabi, Rutabagas, Turnips)	Root Maggots	Apply 8 oz. /100 linear feet in the furrow with the seed or transplants at the time of planting. Note: Do not use Rutabaga tops for food or feed.
Radishes	Root Maggots	Apply 5 oz. /100 linear feet in the furrow with the seed at the time of planting.

HOME INVADING PESTS

PERIMETER TREATMENT AROUND FOUNDATION (OUTSIDE)

The following pests are commonly found around or near the foundation of houses. Many of these insects will enter home seeking food and shelter.

Ants	Crickets	Fleas	Brown Dog Ticks
Earwigs	Clover Mites	Sawbugs	Millipedes
Spiders (incl. Black Widow Spiders)	Cockroaches	Pillbugs	Vermin

To control and prevent entry of the above pests, apply this product in a band 2 to 6 feet wide around and adjacent to the building using an ORTHO WHIRLYBIRD Hand Spreader when pests are active and may find entrance. Thoroughly treat garbage can storage areas, outdoor pet resting areas, around dog houses and pet "bathroom" areas. Do not treat pets with this product. See table below for coverage.

Note: ORTHO WHIRLYBIRD Hand Spreader (One level hopperful holds 1½ pounds of product)

If Band Width is	One Level WHIRLYBIRD Hand Spreader (1½ lbs.) Will Treat (Linear Ft.)	
	A 4 lb. Bag will Treat (Linear Ft.)	
2 Ft.	90 Ft.	288 Ft.
4 Ft.	45 Ft.	144 Ft.
6 Ft.	23 Ft.	72 Ft.

STOR
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DISPO
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NOTICE
in acc

Chem
Ortho
P.O. Bo
Product
Form 10
EPA Reg
EPA Est.

- POWERFLO™ Granules
- Improved Formula
- Better Spreading Formula
- Less Dust & Drift
- Denser Granule Stays in Place
- For Uniform Coverage

