

OCT 04 1996

Mr. Francis X. Kamienski
The Solaris Group of Monsanto Company
P.O. Box 5006
San Ramon, California 94583-0906

Subject: Revised Labeling--Homeowner Exclusionary Statement
Ortho-Klor Soil Insect & Termite Killer
EPA Registration Number 239-2513
Your Application Dated July 17, 1996

Dear Mr. Kamienski:

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

On the third page, revise the precautionary statement to "WARNING: Causes eye irritation. Harmful if swallowed. Do not get in eyes, on skin or clothing. Avoid breathing vapors and spray mist. Handle concentrate in ventilated area. Wash thoroughly after handling and before eating or smoking. Do not wear contaminated clothing or shoes. Keep away from food, feedstuffs and domestic water supplies.. Keep children and pets out of treated areas until these areas are dry.

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 (7505C)

Enclosure

2, 7, 10

RECD EPA/OPP/DPD2

[[ICON] Outdoor Use Only

'96 JUL 30 A8:28

ORTHO® ORTHO-KLOR® Soil Insect & Termite Killer

[ABN: HomeDefense™ Ortho-Klor® Insect & Termite Killer]

Lawn and Nuisance Pests

Makes up to 548 Gallons of Spray [1/2 gal size only]

Makes up to 274 Gallons of Spray [1 qt. size only]

For Termites, Treats 30 Linear Feet of Trench [1/2 gal size only]

Contains: DURSBAN® Soil Insecticide

CONTROLS: Ants, Subterranean Termites, Powder Post Beetles, Crickets, Chinch Bugs, Wood Borers, Carpenter Ants, Grubs, Cutworms, Fleas, Armyworms, Ticks, Mosquitoes, Grasshoppers, European Crane Fly Larvae, Fire Ants, Sod Webworms, Spiders, Box Elder Bugs, Scorpions, and many other soil insects and home invading pests.

FOR USE: Around foundations, outside buildings, lawns, woodpiles, stored lumber and fence posts

For Use in Tank Sprayers, Hose-End Applicators, Or Sprinkling Cans
Controls All Major Lawn Pests

Kills Lawn Insects

Kills/Controls Ticks that Transmit Lyme Disease

Helps Keep Your Lawn Healthy - Controls Insect Pests that Can Cause Unsightly Brown Spots And Dead Grass

Kills Insects that Damage Ornamentals, Shade Trees, and Fruit Trees

Kills Borers and Leafminers

Kills Insects: Peachtree Borer, Dogwood Borer, Lilac Borer, Leafminers, Needleminers, Leaf Beetles, Twig Borer, Pine Beetles, Elm Bark Beetles

Ideal For Use On Ornamentals, Shade Trees, and Fruit Trees

Can be Applied as a Foliar Spray

ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 04 1996

239-2513.WP2

EPA Accepted March 2, 1995

07-741-02

Notification of 5/28/96; Amendment of 7/17/96

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

239-2513

3 7 10

Can be Applied as a Trunk Spray

Can be Applied with Ortho Hose-End Applicators

Active Ingredient

Chlorpyrifos* [0,0-diethyl 0-(3,5,6-Trichloro-2-pyridyl)phosphorothioate].....	12.6%
Inert Ingredients.....	87.4%

* This product contains aromatic petroleum solvent.

KEEP OUT OF REACH OF CHILDREN

WARNING

See back panel booklet for additional precautionary statements.

NET CONTENTS 64 FL OZ (1/2 GAL) 1.89 L

NET CONTENTS 32 FL OZ (1 QT) 946 mL

4 7 10

For prevention and control of ants, subterranean termites and certain wood destroying insects. This product can be used for treatment of localized areas of wooden structures, firewood piles and stored lumber to control wood infesting borers, carpenter ants and carpenter bees. In addition, controls many common pests in lawns and other outdoor areas around the home. **[7/17/96]: Specially formulated for residential use.**

DO NOT USE INSIDE DWELLINGS

Peel open for use directions and further information

WARNING: Causes eye irritation. Harmful if swallowed. Do not get in eyes, on skin or clothing. Avoid breathing vapors and spray mist. SEE ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS INSIDE BOOKLET.

PULL HERE TO OPEN LABEL PRESS TO RESEAL

▣ Medical Information call 1-800-454-2333
Product Information call 1-800-225-2883

ORTHO®, ORTHO-KLOR®, DIAL 'n SPRAY®, HomeDefense™ Trademarks of Monsanto Company
DURSBAN® Trademark of DowElanco

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Manufactured For
The Solaris Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form 07-741-02
Product 5522
EPA Reg. No. 239-2513
EPA Est. 239-IA-3¹, 58996-MO-1^A
Superscript is first letter of lot number

Made in USA

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.

tsp = teaspoon

Tbs = Tablespoon

4 fl oz = 1/2 cup

2 Tbs equal 1 fl. oz.

SHAKE WELL BEFORE USING

FOR OUTDOOR HOME & GARDEN USE ONLY

ORTHO-KLOR Soil Insect & Termite Killer is an easy to apply product to control lawn insects, home invading pests, fire ants, wood destroying insects including exposed termites, and borers that attack ornamental plants, fruit trees, and shade trees. When used as directed, it helps lawns and gardens stay vigorous, healthy, and green by controlling bugs that cause problems.

TREES AND SHRUBS**Borers & Leafminers**

Cottonwood, Elm, Willow - Cottonwood Beetles, Elm Leaf Beetles, Flea Beetles, Willow Leaf Beetles; **Rhododendron, Poplar, Pine** - Blackvine Weevils, Yellow Poplar Weevils, Pine Weevils: Use 4 tsp in 1 gal of water. Apply when pests appear. Thoroughly wet upper and lower leaf surfaces. [7/17/96] Reapply/Retreat at 7 to 10 day intervals if needed.

Ash, Lilac, Oak, Dogwood, Rhododendron, Birch, Locust - Ash Borers, Dogwood Borers, Lesser Peachtree Borers, Lilac Borers, Oak Borers, Rhododendron Borers, Bronze Birch Borers, Flatheaded Appletree Borers, Locust Borers, Red Oak Borers - Spray when adults begin to emerge; **Elm, Birch, Locust** - Leafminers - Spray in early and mid-May when leafminers appear; **Pine, Spruce** - Needleminers: Use 1-1/2 fl oz (3 Tbs) in 1 gal of water.

Elm, Pine, Spruce - Ambrosia Beetles, Black Turpentine Beetles, European Elm Bark Beetles, Japanese Beetles, June Beetles, Southern Pine Beetles, Spruce Beetles: Use 10-2/3 fl oz (1-1/4 cups) in 1 gal of water. Apply only with a tank sprayer. To prevent infestation, spray in early Spring. To treat infested trees, spray before adult beetles emerge.

6 7 10

FRUIT TREES

Apples - Dogwood Borer: Use 2 fl oz (4 Tbs) in 1 gal of water. Starting in the Spring, spray trunks and soil around the base of trees. Apply up to 8 times per season. Wait 3 weeks before [7/17/96]: reapplying/retreating. Wait 1 month after last spraying before harvesting fruit.

Sweet Cherries - Lesser Peachtree Borers, Great Peachtree Borers, American Plum Borers: Use 2 fl oz (4 Tbs) in 1 gal of water. Spray trunks and lower limbs. To prevent leaf damage, avoid foliage contact. Apply up to 3 times per season. Wait 2 weeks before [7/17/96]: reapplying/retreating. Wait 1 week after spraying before harvesting fruit. Make 3rd application after harvest.

Sour Cherries - American Plum Borers, Lesser Peachtree Borers, Pacific Flatheaded Borers, Peach Twig Borers, Peachtree Borers, Shothole Borers. Use 2 fl oz (4 Tbs) in 1 gal of water. Spray trunks and lower limbs. Apply up to 3 times per season. Wait 2 weeks after spraying before harvesting fruit. Consult your Extension Service Specialist for the best time to treat.

Nectarines, Peaches - Peachtree Borers: Use 4 fl oz (8 Tbs) in 1 gal of water. Application timing is important. Consult your Extension Service Specialist for proper time to treat. Spray bark from the ground up to the lower branches. Do not spray fruit. Make only 1 application per year. Wait 2 weeks after spraying before harvesting fruit.

LAWN PESTS: Armyworm, Lawn Moth Larvae (Sod Webworms), Dichondra Flea Beetles, Chinchbugs, Cutworms, European Crane Fly (Larvae), Fiery Skipper Larvae (California and Hawaii only), Tropical Grass Webworms (Hawaii only), Grasshoppers, Crickets, Chiggers, Clover Mites, Earwigs, Fleas-For use in an ORTHO DIAL 'n SPRAY® Hose-End Sprayer: Add 3-1/2 fl oz undiluted product to sprayer jar, set dial on sprayer at 2 tsp/gallon and spray until jar is empty to treat 1,000 sq ft. For use with an ORTHO Lawn Sprayer: Add 1-3/4 fl oz product to sprayer jar, fill jar with water to the 15 gallon mark and spray evenly over 500 sq ft.

Mow and water 1 to 2 days before treatment. Heavy watering should be withheld for 2 to 3 days following treatment. Spray when pests first appear. Treat entire lawn. Do not attempt to control lawn pests by spot spraying. Repeat treatments may be necessary at 4 to 6 week intervals. For European Crane Fly control, consult your Agricultural Extension Service for proper timing of application for your area.

WHITE GRUBS IN LAWNS: (Larvae of European Chafer and Japanese Beetle)- For use in an ORTHO DIAL 'n SPRAY® Hose-End Sprayer: Add 13 fl oz undiluted product to sprayer jar, set dial on sprayer at 1 oz per gallon and spray until jar is

empty to treat 1,000 sq ft. Water lawn thoroughly after application. For use with an ORTHO Lawn Sprayer: Add 6-1/2 fl oz product to sprayer jar. Fill jar with water to the 15 gallon mark and spray evenly over 500 sq ft. Treat entire lawn. Do not attempt to control lawn pests by spot spraying. Water lawn thoroughly to wash the insecticide into the soil. Treat lawn when grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your Agricultural Extension Service Specialist for proper time to treat in your area.

Mosquitoes (outdoors): Mosquitoes coming to rest on areas treated for the control of lawn and home invading pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

Note: Do not use on vegetables or food crops. Do not use on azaleas, camellias, poinsettias, rose bushes or variegated ivy because of possible injury to the plants.

[Termite Trench Treatment: the following information in italics will not be printed on our consumer product labels at the time of next printing. We do plan to retain the registered use]

FOR TERMITES (Outdoors): TRENCH TREATMENT: NOTE: *This product is not intended for control of termites which do not require contact with the soil for moisture, such as: drywood, dampwood or powderpost termites. Consult the County or State Agricultural Extension Service for termite identification. Remove all wood debris and wood forms. Determine the extent of termite infestation. For prevention and light infestation, treat soil adjacent to both sides of infested foundations of poured concrete, pipes or piers by digging a trench 6 inches wide and 4 inches deep (or down to the top of the footing whichever is less). For brick and block foundations dig the trench about 12 inches deep. If footing is more than 12 inches deep, make holes with a crowbar, pipe or a rod about one foot apart that extend from the trench bottom to the top of the footing. Make holes closer in hard-packed clay soils. NEVER DIG BELOW THE TOP OF THE FOOTING. Avoid contamination of public and private water supplies by following these precautions. Do not allow a hose or any type of faucet extension to reach into the termite chemical solution while filling or mixing this material with water. Use anti-backflow or anti-siphonage equipment on all filling equipment. These devices can be purchased at hardware or plumbing supply stores. Use of anti-backflow equipment will help insure that the user of this toxic chemical will not contaminate domestic water supplies. Refer to FHA (Federal Housing Administration), state and local specifications for safe distances of treatment areas from wells. Soil in the vicinity of wells, cisterns or ponds should not be treated. Do not treat structures that contain cisterns or wells. Note: When conditions will not permit trenching, surface application adjacent to interior foundation walls may be made but the treated strip should not exceed 18" in width. Apply solution with a sprinkling can. Mix 5-1/3 fl. oz. per gallon of water and treat 2-1/2 linear feet of trench or foundation (one half gallon of ORTHO-KLOR Soil Insect & Termite Killer will make 12 gallons of diluted solution and treat 30 linear feet). Mix solution into soil as it is replaced in the trench. Cover treated soil with a layer of untreated soil. Be sure to treat any*

accessible voids in hollow blocks in the foundations at same rate as above. Be careful to have adequate ventilation when treating areas under structure. This product is not intended for severe infestations or treatment under slabs, in basements and buildings with insufficient crawl space, etc., contact a licensed pest control operator or termite control service.

Retreatment for subterranean termites should only be made when there is evidence of reinfestation, subsequent to the initial treatment, or there has been a disruption of the chemical barrier in the soil due to construction, excavation, landscaping, etc. Reapplication should be made as a spot treatment to those areas.

Annual retreatment of the entire premises must be avoided.

FENCE POSTS-TERMITE PREVENTION (EXCEPT RHODE ISLAND) [5/28/96]:

Apply solution with a sprinkling can. Mix 5-1/3 fl oz per gal of water. Apply one gallon of diluted product per post hole. Pour one half gallon of solution into hole and add the remaining 1/2 gallon to the soil when filling the hole so that all the fill soil is treated to form a protective barrier.

NOTE: Do not treat structures that contain cisterns or wells. Do not treat soil that is water saturated or frozen. Consult state and local specifications for recommended distances of treatment from well.

TREATMENT FOR WOOD DESTROYING PESTS (Outdoors): (Powder Post Beetles, Furniture Beetles, Deathwatch Beetles, Round-headed House Borers, Carpenter Ants, Carpenter Bees). Treat localized areas of infested wood. Mix 2 1/2 Tbs per quart of water. Apply evenly on wood surfaces with a paint brush. Allow to dry and repeat to ensure penetration.

For wood piles and stored lumber apply 5-1/3 fl oz per gal of water. Use ORTHO hose-end sprayers or sprinkling can to deliver a coarse drenching spray. Do not use in structures occupied by animals to be used for food purposes or which produce products for human consumption.

HOME INVADING PESTS (OUTSIDE DWELLINGS): Ants, Bees, Beetles (1), Box Elder Bugs, Carpenter Ants (1), Carpenter Bees (1), Centipedes, Clover Mites, Cockroaches, Crickets, Earwigs, Elm Leaf Beetles, Fleas, Flies, Hornets, House Flies, Millipedes, Mosquitoes, Scorpions (2), Silverfish, Sowbugs, Spiders, Springtails, Ticks, Wasps, Yellowjackets.

NOTE: Number in parenthesis refer to Specific Directions. (1) For added information, see section on Treatment For Wood Destroying Pests. (2) For Scorpions, remove accumulations of lumber, firewood, and other materials which serve as harborage sites and treat beneath and adjacent to infested areas.

FOR PEST CONTROL ON OUTSIDE SURFACES AND AROUND BUILDINGS: Spray outside surfaces of buildings and surrounding areas, including porches, window frames, doorways, foundations, eaves, patios, garages, garbage cans, and other areas where pests congregate or can gain entrance. Repeat treatment as needed. Do not treat pets with this product. **DO NOT USE IN DWELLINGS.**

Treat a band of soil 6 feet wide around buildings, also the building foundation to a height of 2 to 3 feet Spray 10 gal mixture per 1,000 sq ft.

AMOUNT TO USE FOR HOME INVADING PESTS (OUTDOORS): For use in Hose-end sprayer, tank-type sprayer or sprinkling can: Apply 2 tsp in one gallon of water to cover 100 sq ft. For use in an ORTHO DIAL 'n SPRAY: Add 3-1/2 fl oz. undiluted product to sprayer jar, set dial on sprayer at 2 tsp /gal and spray until jar is empty to treat 1,000 sq ft.

IMPORTED FIRE ANT MOUNDS: Mix 2 Tbs per gal of water to each mound, using a sprinkler can, Thoroughly wet mound and treat a 4 foot diameter circle around the mound. For best results, apply in cool weather or in early morning or late afternoon. Treat new mounds as they appear.

STORAGE AND DISPOSAL

STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Avoid contamination of feed, foodstuffs and domestic water supplies. Store in a cool, dry place, preferable in a locked storage area. Do not store diluted spray. Store above freezing. Handle concentrate in a ventilated area. Keep container closed. DISPOSAL: PRODUCT-Partially filled bottle may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash. CONTAINER-Do not reuse empty bottle. Rinse thoroughly before discarding in trash.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

WARNING: Causes eye irritation. Harmful if swallowed. Do not get in eyes, on skin or clothing. Avoid breathing vapors and spray mist. Handle concentrate in ventilated area. Wash thoroughly after handling and before eating or smoking. Do not wear contaminated clothing or shoes. Keep away from food, feedstuffs and domestic water supplies. [CHILD/ PET ICON] Keep children and pets out of treated areas until these areas are dry.

FIRST AID -If swallowed: DO NOT make person vomit. Call a doctor immediately. If on skin: In case of contact, remove contaminated clothing and immediately wash skin with soap and water. If in eyes: Flush eyes with plenty of water. Call a physician and get prompt medical attention.

Note to Physicians: Emergency Information call 1-800-454-2333. This product contains an aromatic petroleum solvent and may present an aspiration problem. Chlorpyrifos is a cholinesterase inhibitor. If signs and symptoms of cholinesterase inhibition develop, atropine by injection is antidotal; 2-PAM may also be given in conjunction with atropine, but should never be used alone.

ENVIRONMENTAL HAZARDS: This product is toxic to fish, birds and other wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near heat or open flame.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance

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with directions.

☛ Medical Information call 1-800-454-2333
Product Information call 1-800-225-2883

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DURSBAN® Trademark of DowElanco

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Manufactured For
The Solaris Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form 07-741-02
Product 5522
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