

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Ms. Elsa L. Zisook
The SOLARIS Group of Monsanto Company
P.O. Box 5006
San Ramon, CA 94583-0906

Dear Mr. Zisook:

Subject: Amendment- Revise per Diazinon Registration
Standard/Update Label
ORTHO Diazinon Insect Control
EPA Registration No. 239-2364
Your submission dated July 7, 1994

This amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable, provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. The statement should read "For outdoor use only on the home lawn and in the home garden.". This statement should be placed between the golf course prohibition and Do not use in the home statements.

b. Add the following to the STORAGE AND DISPOSAL section "Do not store near heat or open flame. Store in an area inaccessible to children and pets. USE CONTENTS WITHIN 6 MONTHS AFTER OPENING."

c. Revise the proposed disposal statements as follows:

"1. Partially filled xxx several layers of newspaper, tightly securing cap ~~conductions~~ in trash. 2. Rinse thoroughly wrap in newspaper and discard in trash."

SYMBOL							
SURNAME	Zisook						
DATE	7/10/94						

d. We prefer the beginning of the First Aid statements be in "Caps".

3. The additional brand name is acceptable.

4. Submit three (3) 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.

)

Sincerely,

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

)

ORTHO® Diazinon Insect Spray [ABN DIAZINON PLUS® Insect Spray]
Makes up to 96 Gallons Diluted Spray [qt. size]

This product must not be used on golf courses and sod farms. *[This will appear in the upper 1/3 of the label]*

DO NOT USE INSIDE THE HOME.

FOR ROSES, FLOWERS, SHRUBS, FRUITS, VEGETABLES, HOME LAWNS & NUISANCE PESTS

CONTROLS GARDEN INSECTS

Aphids, Cucumber Beetles, Cabbageworms, Codling Moth, Whiteflies

CONTROLS LAWN INSECTS

Ants, Fleas, Sod Webworms, Brown Dog Ticks, White Grubs

Kills White Grubs

Kills Black Widow Spiders

ACCEPTED
with COMMENTS
in EPA Letter Dated
22
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
239-2364

Contains ORTHOX® Wetting Agent for More Effective Coverage

For Outdoor Use on the Home Lawn and Home Garden Only.

Active Ingredient

Diazinon [C,O-diethyl-O(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate]...25%

*Inert Ingredients.....75%

*Contains aromatic petroleum distillates

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel Booklet for Additional Precautionary Statements

NET CONTENTS 32 fl oz (1 qt) 946 mL

NET CONTENTS 16 fl oz (1 pt) 473 mL

NET CONTENTS 64 fl oz (1/2 gal) 1.89 L

BEST AVAILABLE COPY

Controls lawn and garden insects. For roses, flowers, trees, shrubs, lawns, nuisance pests, fruits, nuts, vegetables, and melons. May be applied with an ORTHO® DIAL 'n SPRAY®, hose-end, or tank type sprayer. Contains ORTHEX® which makes your spray spread more evenly on smooth, rough or waxy plant surfaces.

DO NOT USE INSIDE THE HOME. DO NOT USE ON HUMANS OR ANIMALS.

[THE FOLLOWING COPY IS FOR FIX-A-FORM BOOKLET TYPE LABELS WHICH CONSUMERS CAN OPEN, READ, AND RESEAL EASILY AT RETAIL AS WELL AS AT TIME OF USE]

CAUTION: Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye injury. See additional precautionary statements and use 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

The SOLARIS Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form RS595-~~0~~
EPA Reg. No. 239-2364
EPA Est. 239-1A-3¹, 58996-MO-1^A
Superscript is first letter of lot number

Made in USA
UPC

BEST AVAILABLE COPY

[FOR GLUED LABELS WITH HANG-TAGS AND PEEL/RESEAL LABELS]

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

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

ROSES, FLOWERS, SHRUBS & SHADE TREES

HOW TO USE: Use 2 tsp. (1/3 fl. oz.) per gal. of water. Spray when pests first appear. Spray plant to wet leaves and branches to dripping point. Repeat applications only as directed to maintain control. To Control: Aphids, Apple and Thorn Skeletonizers, Bagworms, Bean Beetles, Cabbageworms, Codling Moth, Cucumber Beetles, Cutworms, Dipterous Leafminers* (such as Arborvitae, Azalea, Birch, Boxwood, Holly, and Oak), European Pine Shoot Moth, Flea Beetles, Hemlock Chermes, Hemlock Woolly Adelgid, Hol'y Bud Moth, Leafhoppers, Leafminers, Lacebugs, Leafrollers, Mealybugs, Mites (such as Carnation Bud, Carnation Shoot, Clover, Cyclamen, European Red, Privet, and Two-spotted), Oak Loopers, Obscure Root Weevil, Omnivorous Leaf-tiers, Pear Slugs, Scale Crawlers (such as Cottonycushion, Euonymus, Lecanium, Pine Needle, Pit, San Jose and Soft), Spidermites, Tent Caterpillars, Thrips, Webworms (such as Cotoneaster, Fall, Juniper and Mimosa), and Whiteflies. *NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.

FOR: Azaleas, Birch, Boxwood, Camellias, Chrysanthemums, Carnations, Gladioli, Hawthorne, Hemlock, Holly, Lilac, Locust, Maple, Pine, Pyroantha, Rhododendrons, Spruce, Sycamore, Willow. *Combination Spray with Fungicide on Roses: ORTHO FUNGINEX® Rose Disease Control may be mixed with this product when listed insect(s) and disease(s) are found on roses. Follow directions and precautions on both labels.*

Note: Do not use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, Gardenia, and Orchids since injury may occur.

To control Mediterranean Fruit Fly (larvae). Apply 3 fl. oz. per 12 gals. to cover 1000 sq. ft. of soil beneath host plants listed above. Drench all soil within dripline. Make 3 applications at 14 to 16 day intervals as needed.

HOME LAWNS AND OTHER OUTDOOR HOME RECREATIONAL AREAS HOW TO USE: Apply 3 fl. oz. (6 Tbs.) per 12 gals. of water to cover 500 sq. ft. (1-1/2 tsp. per gallon to cover 42 sq. ft.) Thoroughly wet grass a few hours before applying. To Control: Ants, Armyworms, Bermudagrass Mites, Brown Dog Ticks, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Dichondra Flea Beetle, Digger Wasps, Earwigs, European Crane Fly (larvae), Fleas, Frit Flies, Grubs (Chafer, Japanese Beetle, May Beetle, Southern Chafer) Hyperodes Weevils, Millipedes, Lawn Billbugs, Lawn Moths, Leafhoppers, Rhodesgrass Scales, Sowbugs (Pillbugs), Sod Webworms, Springtails(Collembola).

For Brown Dog Ticks, spray grass and shrubbery particularly near the house. To control Digger Wasps, apply at dusk when wasps are not active. To control Frit Flies, mow grass and water thoroughly before treatment, but delay application until grass is dry. Apply when crawlers first emerge. For Lawn Billbugs, Grubs, Southern Chafer (White grub), Hyperodes Weevils, and Mole Crickets water lawn three days after treatment.



Notes: Consult your local Agricultural Extension Service for proper time to treat. For Mole Crickets, apply in May or June when pests are small

FIRE ANTS -- To Aid in Control: HOME LAWNS AND OTHER OUTDOOR HOME RECREATIONAL AREAS: Apply 1 fl. oz. (2 Tbs.) in 1 gal. of water as a drench to mounds. For best results, apply when temperatures are 65 to 80°F or in morning or evening. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Treat new mounds as they appear.

NUISANCE PESTS: In outside areas. Apply 2 fl. oz. per gal. of water. Spray a 5 ft. band of soil around the house next to the foundation to a height of 2 to 3 ft. Do not apply to vinyl siding as staining may occur. Thoroughly spray walks, firewood piles, garbage cans, tree trunks, and into cracks and other places where insects can hide. Do not treat plants (other than tree trunks) at this rate. Do not burn sprayed firewood within 2 weeks following treatment.

To Control: Ants, Box Elder Bugs, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Scorpions, Sowbugs (Pillbugs), Spiders (including Black Widow Spiders), Springtails (Collembola).

VEGETABLES, FRUITS, MELONS AND NUTS

HOW TO USE: Use 2 tsp. (1/3 fl. oz.) per gal. of water. Spray plant thoroughly when pests first appear. Repeat only as directed to maintain control. Numbers in () indicate days required between last application and harvest. Do not feed treated vines to livestock. Do not treat food crops grown in the greenhouse.

VEGETABLES AND MELONS -- Foliar Spray: Beans (lima, pole, and snap), fresh only (7), Broccoli (7) Cabbage (21), Cantaloupes (3), Carrots (14), Casabos (3), Cauliflower (7), Chinese Broccoli (10), Chinese Cabbage (Bok Choy and Napa) (10), Collards (10), Crenshaws (3), Cucumber (7), Endive (Escarole) (14), Honeydew (3), Kale (10), Lettuce (14) Muskmelons (3), Onions (14) (Bulb and Green), Parsnips (14), Peas, fresh only (7), Peppers (5), Persian Melons (3), Potatoes (35), Radishes (14), Spinach (14), Summer Squash (7), Sweet Corn (7), Tomatoes (1), Turnips (14), Turnip Tops (14), Watermelons (3), and Winter Squash (3). Do not apply more than 3 gals. of water per 1000 sq. ft. of home vegetable garden. Do not apply more than 3 times per season for Beans and Peas, or more than 5 times per season for all other vegetable crops. Repeat sprays 7 to 10 days apart. NOTE: Do not use on dried bean or pea varieties. To protect bees, do not apply to bean or pea foliage if the crop or weeds in the treatment area are in bloom. Do not apply to corn during the pollen shed period. To Control: Aphids, Armyworms, Colorado Potato Beetle, Cucumber Beetles, Diamond Back Moth (larvae), Dipterous Leafminers, Flea Beetles, Grasshoppers, Imported Cabbage Worms, Leafhoppers, Mexican Bean Beetle, Mites, Spidermites, Onion Thrips, Thrips, Vinegar Fly, Whiteflies. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.

VEGETABLES -- Preplant: Do not use on dried bean or pea varieties. To Control Cutworms: Cabbage, Carrots, Lettuce, Lima Beans, Peas, Pole Beans, Red (Table) Beets, Snap Beans, Sweet Corn, Tomatoes, Radishes, Turnips and Turnip Tops. Wireworms: Cabbage, Carrots, Lettuce, Peas, Snap Beans, Sweet Corn, Tomatoes. Before planting, apply 2 fl. oz. (4 Tbs.) in a minimum of 1 gal. of water to 350 sq. ft. Immediately mix into soil to the depth of 2 to 3 inches for Surface Cutworms, 3 to 6 inches for Subterranean Cutworms, and 4 to 8 inches for Wireworms. To Control Mole Crickets: Carrots, Lima Beans, Pole Beans, Red (Table) Beets, Snap Beans, Peas, Sweet Corn. 1 to 2 days before planting, apply 4 tsp. in a minimum of 1 gal. of water to 350 sq. ft. Immediately mix into the soil to a depth of 1 to 2 inches. To Control Root Maggots: Cabbage. Apply 2 fl. oz. (4 Tbs.) in a minimum of 1 gal. of water to 350 sq. ft. Immediately mix into the soil to a depth of 2 to 3 inches.

For Disease Control on Fruits and Vegetables apply ORTHO Multi-Purpose Fungicide DACPNI 2787a

Follow label directions.

HOME FRUIT TREE ORCHARDS: Apricots, Cherries, Nectarines, Peaches, Plums, Prunes (21): Do not apply more than 4 gals. of water per 500 sq. ft. of home orchard. Do not apply more than 3 times per season. Repeat sprays for cherries, plums and prunes 7 to 10 days apart, for apricots, nectarines and peaches, 14 days apart. Note: To protect bees, do not apply to fruit trees when trees or substantial numbers of weeds around the trees are in bloom.

HOME NUT TREE ORCHARDS: ALMONDS (dormant season) CA only: Spray almonds only once to control San Jose and Parlatoria scale. Walnuts CA only (45): Do not apply to Walnuts more than 3 times per season or after husks crack open. Do not apply more than 6 gals. of water per 500 sq. ft. of home almond or walnut orchard. Repeat sprays for walnuts 14 days apart.

HOME VINEYARD OR BERRY PATCH. Grapes (28), Strawberries (5): Do not apply more than 3 gals. of water per 500 sq. ft. of grape vineyard or strawberry patch. Do not apply more than 5 times per season for grapes or 3 times per season for strawberries. Repeat sprays 7 to 10 days apart. Blackberries, Boysenberries, Dewberries, Loganberries, and Raspberries, CA, OR, WA only (7): Do not apply more than 5 gals. of water per 500 sq. ft. of caneberry patch. Do not apply more than 5 times per season. Repeat sprays 14 days apart. To Control: Aphids (such as Black Cherry, Leafcurl Plum, Mealy Plum, and Thistle), Cherry Fruit Flies, *Dried Fruit Beetles*, Fruitworms (Maggots), Fruit Tree Leafrollers, Grape Berry Moth, Grape Leafrollers, Leafhoppers, Mealybugs, Mites (such as Brown, Two Spotted Spider, and Cherry Rust), Raspberry Sawfly, Scale Crawlers (such as Olive, San Jose, Walnut, Italian Pear, and Frosted), Spider Mites, Strawberry Leafroller, Tentiform Leafminers, Thrips, Twig Borers, Walnut Caterpillars.

STORAGE AND DISPOSAL

STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area. Do not store diluted spray. Keep tightly capped.

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

CAUTION: Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye injury. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Wear a long sleeved shirt and long legged pants when spraying. Spray with the wind to your back. Do not spray on windy days. If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again. **DO NOT USE INSIDE THE HOME.** Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not allow children or pets to go onto a treated area until the treated areas, such as grass or soil, has dried. Do not contaminate ornamental fish ponds. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides. **STATEMENT OF PRACTICAL TREATMENT:** If swallowed: call a physician immediately. Do NOT induce vomiting unless no other treatment is available. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim one or two glasses of water and insert finger in back of throat. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing. If inhaled: Remove victim to fresh air and apply artificial respiration if

indicated. Get medical attention. If on skin, wash promptly with soap and water. Rinse thoroughly. Get medical attention. If in eyes, Rinse eyes with plenty of water and call a physician immediately. Note to Physicians: Emergency Information --- call 1-800-454-2333. This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. This product contains aromatic petroleum distillates which may present an associated hazard. Gastric lavage may be indicated if product was taken internally.

~~CAUTION: Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye injury. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Wear a long-sleeved shirt and long legged pants when spraying. Spray with the wind to your back. Do not spray on windy days. If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again. DO NOT USE INSIDE THE HOME. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not allow children or pets to go onto a treated area until the treated areas such as grass or soil has dried. Do not contaminate ornamental fish ponds. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides. STATEMENT OF PRACTICAL TREATMENT: If swallowed, immediately call a physician or Poison Control Center. Do NOT make person vomit. Do not give anything by mouth if person is unconscious or convulsing. If inhaled, remove victim to fresh air. Give artificial respiration if necessary, preferably by mechanical means. Get medical treatment. If not breathing, give artificial respiration, preferably by mechanical means. Avoid mouth to mouth resuscitation. If on skin, wash with plenty of soap and water. Get medical treatment. If in eyes, hold eyelids open and flush with a steady, gentle stream of water. Get medical treatment immediately. Note to Physicians: Emergency Information --- call 1-800-454-2333. If symptoms of cholinergic poisoning occur, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. Do not give morphine, theophylline, aminophylline, phenothiazines, reserpine, furosemide, or ethacrynic acid. Administer i.v. fluids cautiously if necessary to correct dehydration. If product is swallowed, lavage stomach contents since inducing vomiting may lead to chemical lung injury.~~

~~ENVIRONMENTAL HAZARDS: This pesticide is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. For lawns, where irrigation (watering) is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product, however stop watering before puddling occurs. Keep out of water. Runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. This pesticide is highly toxic to trees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.~~

~~PHYSICAL OR CHEMICAL HAZARDS: Do not use in structure near heat or open flame.~~

BEST AVAILABLE COPY

939

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

Medical Information call 1-800-454-2333

Product Information call 1-800-225-2883

ORTHO, DIAL 'n SPRAY Registered trademarks of Monsanto Company.

DACONIL 2787 Registered trademark of ISK Biotech Corp.

Trademark of Monsanto Company

Monsanto Company 1994

The SOLARIS Group of

Monsanto Company

P.O. Box 5008

San Ramon CA 94583-0808

Product 6019

Form RS595-~~1~~

EPA Reg. No. 239-2364

EPA Est. 239-1A-3¹, 58996-MO-1^A

Superscript is first letter of lot number

Made in USA

UPC

BEST AVAILABLE COPY