

70-177

PM-13

12/31/87

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... in accordance with ... for Phase 2 ...

THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOD FARMS.

KILL-KO (R)

DIAZINON 2E

Insect Spray

KILLS: Ants, flea beetles, grubs, mites, sod webworms, and over 10 other destructive insects. Aids in control of fire ants. For use on fruits & vegetables, shrubs & trees, flowers & ornamentals and lawns.

ACTIVE INGREDIENTS:

Diazinon (0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate).....	25.0%
Heavy Aromatic Naphtha.....	57.2%
INERT INGREDIENTS.....	19.8%
TOTAL	100.0%

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KEEP OUT OF REACH OF CHILDREN

WARNING

See Back Panel for Additional Precautionary Statements.

EPA Reg. No. 70-177
EPA Est. No. 70-KY-1

Net Contents
8 ounces

MANUFACTURED BY
RIGO COMPANY
BUCKNER, KENTUCKY 40010

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PRECAUTIONARY STATEMENTS

KEEP OUT OF REACH OF CHILDREN

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNINGS: May be fatal if swallowed or absorbed through skin. Do not breathe spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling, and before eating smoking. Do not permit children or pets to go into the treated areas until the spray has completely dried. Keep out of reach of children. Keep out of reach of domestic animals. DO NOT USE IN HOME. Do not use on humans or household pets. Avoid contamination of feed and foodstuffs.

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person. call a physician immediately.
IF IN EYES: Rinse eyes for at least 15 minutes with water. Call a physician immediately.
IF ON SKIN: Wash immediately with soap and water.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Keep out of lakes, streams, ponds tidal marshes, and estuaries. Do not contaminate ornamental fish ponds.

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated areas. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treated area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

PHYSICAL\CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Store in original container in a cool, dry location away from heat, flame, direct or indirect sunlight. Do not reuse empty container. Wrap container and put in trash collection.

Kills many outdoor insects which destroy lawns, roses, flowers, trees, and shrubs, or annoy pets and people. (Refer to label directions for specific insects controlled.) KILL-KO DIAZINON 2E INSECT SPRAY provides positive control of many "hard-to-kill" sucking and chewing insects, works fast and remains effective for an extended period of time.

How to Mix and Apply:

Step #1: Determine size of spraying job. For lawns and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear. Repeat applications as needed or as noted in the rate chart.

Step #2: Use clean sprayer. Carefully measure and mix the amount of KILL-KO DIAZINON 2E INSECT SPRAY and water as suggested in the rate chart.

Step #3: Spray as directed in rate chart. Use coarse drenching sprays for lawns, soil and other surface applications. Use medium-fine mist sprays for trees and plants. Thorough coverage is important. Flush sprayer with clean water after each use.

Use contents within 6 months after opening.

1 fl. oz. = 6 teaspoons or 2 tablespoons.

8 fl. oz. = 1/2 pt. or 1 cup.

1 fl. oz. in 3 gals. of water = 2 teaspoonfuls in 1 gal. of water
or 8 fl. oz. in 24 gals.

Note: Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia and orchids since injury may occur. Do not apply this product through any type of irrigation equipment.

DIRECTIONS FOR APPLYING KILL-KO DIAZINON 2E

PROBLEM AREAS

PESTS--RATES AND DIRECTIONS

LAWNS:

Bent, Bermuda,
Bluegrass, Dichondra,
Fescue, Merion,
St. Augustine

Ants, Armyworms, Bermudagrass Thrips, Brown Dog Ticks**, Chiggers, Cricket, Cutworms, Earwigs, Frit Flies, Lawn Billbugs**, Chinch Bugs+, Lawn Moths, (Sod Webworms), Leafhoppers, Mites, (Bermuda, Clover), Sowbugs (Pillbugs), (Pillbugs), Springtail (Collembola)

1 fl. oz. in 3 gals. of water covers 125 sq. ft.

8 fl. oz. in 24 gals. of water covers 1,000 sq. ft.

Thoroughly wet down grass a few hours before applying.

*Brown Dog Ticks: Do not apply to animals. In particular, spray under shrubbery and the grass next to house.

**Lawn Billbugs: Water the lawn thoroughly immediately after treatment.

+In the North, if Chinch Bugs are the only lawn insect problem, a lower rate of application can be used: 1/2 fl. oz. in 3 gals. of water covers 125 sq. ft.

Millipedes

2 fl. oz. in 3 gals. of water covers 125 sq. ft.

Thoroughly wet grass a few hours before applying.

Rhodesgrass Scales

1 fl. oz. in 3 gals. of water covers 100 sq. ft.

Apply when Scale Crawlers first emerge.

Ants, (Spot spray ant hills)

1 fl. oz. in 3 gals. of water covers 125 sq. ft.

Billbugs*, White Grubs, of Japanese Beetle, European Chafer, Southern Chafer**

1 fl. oz. in 3 gals. of water covers 125 sq. ft.

Water grass thoroughly after application.

*Billbug control: Apply when activity is first

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observed or when chewed or brown grass is present, indicating damage from the insect.
**Grub control: Make application any time between late July and early October.

Fire Ants

To aid in the control of fire ants in lawns and other recreation areas, apply 1 fl. oz. (2 tbsp.) in a minimum of 1 gal. of water as a drench. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Reapply as necessary. Larger quantities of solution can be prepared for multiple mound treatments. Use equipment capable of delivering the diluted product as a gently rain at the rate of 1 gal. per mound. High pressure spray may disturb the ants and cause migrations, reducing product effectiveness.

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.

Problem Areas

Pests - Rates and Directions

TREES & SHRUBS

Wet leaves and branches to the dripping point. Try to penetrate dense foliage.

Arborvitae, Azalea,
Birch, Boxwood,
Camellia, Douglas
Fir, Elm, Hawthorn,
Holly, Juniper,
Lilac, Locust,
Maple, Mimosa, Oak,
Pine, Plum, Poplar,
Rhododendron, Spruce
Willow

Aphids, Bagworms, European Pine Shoot, Holly Bud
Moths, Dipterous Leafminers (Arborvitae, Azalea,
Birch, Boxwood, Holly, Oak), Leafhoppers,
Mealybugs, Mites (Clover Cyclamen, European Red
Privet, Twospotted Spider), Obsure Root Weevils,
Omnivorous Leaf tiers, Scale Crawlers (Cottony-
cushion, Euonymus, Lecanium, Pine Needle, Pit
Scale, San Jose, Soft)

1 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray.

Weeworms (Juniper, Mimosa*), Whiteflies

1 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray.

*Mimosa Weeworms: Apply as a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals.

Apple-and-Thorn Skeletonizers, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars, Weeworms (Cotoneaster, Fall)

3 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray.

ROSES & FLOWERS

Wet the plants to the dripping point. Try to hit

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underside of leaves and penetrate dense foliage.

Azaleas, Camellias, Aphids, Euonymus Scale Crawlers, Flea Beetles,
Chrysanthemums, Dipterous Leafminers, Leafhoppers, Mealybugs, Mites
Carnations, (Carnation Gladioli, Bud Carnation Shoot, Cyclamen,
Gladioli, Lilac, European Red, Twospotted Spider), Thrips,
Rhododendron, Whiteflies,
Roses.

1 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray.

FRUITS¹ & NUTS

Start spraying after blooming. Applications should be made according to infestations or when aphids, mites, and crawler stages of scale insects are first noted. If infestations warrant, repeat applications at 7 to 10-day intervals.

Almonds, Fiberts,
Pecans, Walnuts

Aphids, Nut Casemakers (pecans). Scale Crawlers., Spider Mites
1/3 fl. oz. in 3 gals. of water. Apply as a full cover spray. Do not apply after husks open or split.

Apples, Pears

Aphids, Coding Moths, Eyespotted Bud Moths, Fruittree Leafrollers, Leafhoppers, Tentiform Leafminers (pears). Maggots (apples), Mealybugs, Mites (European Red, Clover brown, Pacific, Twospotted Spider), Psylla (pears). Scale Crawlers (Cottonycushion, San Jose, Forbes, Soft)
1 fl. oz. in 3 gals. of water. Apply as a full cover spray.

On apples, slight russeting may occur on some varieties such as Golden Delicious.

Apricots, Peaches,
Nectarines Mites

Aphids, Apricot Mealybugs (apricot), Mites (Clover brown, Twospotted Spider), Scale Crawlers (Olive, San Jose)
1 fl. oz. in 3 gals. of water. Apply as a full cover spray.

Cherries

Black Cherry Aphids, Cherry Fruitflies, Cherry Fruitworms (Maggots), Fruittree Leafrollers, Mites (Cherry Rust), Scale Crawlers (San Jose)

1 fl. oz. in 3 gals. of water. Apply as a full cover spray.

Figs

Dried Fruit Beetles. Vinegar Flies (Drosophilasp)

1 fl. oz. in 3 gals. of water. Apply as a full cover spray.

Plums, Prunes	Aphids (leafcurl Plum, Mealy Plum, Thistle), Mites (Clover brown, European Red) 1 fl. oz. in 3 gals. of water. Apply as a full cover spray.
Caneberries (blackberries, boysenberries, dewberries, loganberries, raspberries)	Aphids, Leafhoppers, Raspberry Sawflies, Raspberry Fruitworms, Twospotted Mites, Thrips 1 fl. oz. in 3 gals. of water. Apply as a full cover spray.
Blueberries	Aphids, Blueberry Maggots, Cranberry Fruitworms, Cherry Fruitworms. Twospotted Mites, Thrips 1 fl. oz. in 3 gals. of water. Apply as a full cover spray.
Strawberries	Aphids, Twospotted Mites. Strawberry Leafrollers 1 fl. oz. in 3 gals. of water. Apply as a full cover spray
Grapes	Aphids, Grape Berry Moths, Grape Leafholders. Leafhoppers, Scale Crawlers 1 fl. oz. in 3 gals. of water. Apply as a full cover spray.
Grapefruit, Lemons Oranges	Citrus Thrips, Scale Crawlers (Citrus Snow Cottoncushion) 1 fl. oz. in 3 gals. water. Apply as a full cover spray. **2 fl. oz. in 3 gals. of water. Apply as a full cover spray after blooming and again in the summer. Thorough spray coverage of tree trunk, limbs and twigs is essential.
After spraying, do not pick fruit within: 5 days--Strawberries, Figs 7 days--Blueberries, Caneberries 10 days--Apricots, Cherries, Grapes, Nectarines, Plums, Prunes 14 days--Apples, Pears 21 days--Grapefruit, Lemons, Oranges, Peaches	
VEGETABLE 2 Foliar Application	Thoroughly spray all plant parts. Generally, applications at 7 to 10 days intervals may be required. Do not feed treated vines to livestock.
Beans, Peas	Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Mites

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Kill-Ko (R) Diazinon 2E Insect Spray (labels\diaz2E)

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1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden.

Cabbage,
Cauliflower,
Collards, Broccoli,
Turnips

Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers

1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden

Carrots, Celery,
Endive, Lettuce,
Parsnip, Spinach

Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Mites

1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden

Cantaloupes,
Cucumbers,
Muskmelon,
Squash (summer,
winter),
Watermelon

Aphids, Thrips, Mites

1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden

Peppers, Potatoes,
Tomatoes

Aphids, Colorado Potato Beetles, Fall Armyworms (tomato), Flea Beetles, Leafhoppers, Southern Armyworms (potato and tomato). Vinegar Flies (*Drosophila* spp. tomato)

1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden

Onions

Onion Thrips

1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden

Sweet Corn

Aphids, Flea Beetles, Grasshoppers, Mites

1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden

VEGETABLE ² Preplant Soil Application:

Cabbage,
Carrots, Corn,
Lettuce, Peas,
Pole Beans,
Radishes, Red Beets,
Snap Beans,
Tomatoes, Turnips
Surface Cutworms,

Cutworms (Surface, Subterranean)

6 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage.

Apply broadcast just before planting. Immediately work into soil 2-3 inches for Surface Cutworms, 3-6 inches for Subterranean Cutworms

Garden Symphylans (Garden Centipedes) 15 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage.

Apply broadcast just before planting. Immediately work into soil 4-8 inches.

Mole Crickets: Carrots, Corn, Peas, Pole Beans, Red Beets, and Snap Beans Only

1 1/2 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage.

Apply broadcast just before planting. Apply 1-2 days before sowing or transplanting. Immediately work into soil 1-2 inches.

Root Maggots: Cabbage Only

4 1/2 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage.

Apply broadcast just before planting. Immediately work into soil 3-4 inches before seeding, either in seed bed or in field or before transplanting.

Wireworms: Cabbage, Carrots, Corn, Lettuce, Peas, Snap Beans, and Tomatoes Only

6 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage.

Apply broadcast just before planting. Immediately work into soil 4-8 inches.

2 After spraying, do not pick vegetable within:

- 1 day---Peas, Tomatoes, Sweet Corn
- 3 days--Cantaloupes, Muskmelons, Winter Squash, Water-melons
- 5 days--Broccoli, Cauliflower, Peppers
- 7 days--Beans, Cabbage, Cucumbers, Summer Squash
- 10 days--Carrots, Celery, Collards, Endive, Kale, Lettuce, Onions, Parsnips, Radishes, Spinach, Turnips
- 35 days--Potatoes

NUISANCE PESTS IN OUTSIDE AREAS:

Ants*+, Boxelder Bugs, Brown Dog Ticks*+, Chiggers+, Clover Mites*+, Cockroaches, Crickets*+, Earwigs*+, Fleas*+, Flies*+, Millipedes*+, Sowbugs (Pillbugs)*+, Spiders, Springtails (Collembola)*+

8 fl. oz. in 3 gals. of water

Thoroughly spray window and door screens, sills, foundations, porch and patio walls and ceiling, entrance ways, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide.

do not treat plants and animals.

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*Spray a 5 ft. band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 feet.

+See lawn recommendations for other control measures for these pests.

Fire Ants

See lawn recommendations for rates and directions.

NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

RIGO COMPANY

BUCKNER, KENTUCKY 40010

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Attachment (70-177)

A. ACTIVE INGREDIENTS:

Diazinon (0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl phosphorothioate).....	25.0%
INERT INGREDIENTS*.....	<u>75.0%</u>
TOTAL	100.0%

*Contains xylene range aromatic solvent.

B. Rigo Company
 A Division of Wilbur-Ellis Company
 Buckner, KY 40010