

Reason For Issue: Submit 5 copies of final labels to EPA. Also, adding statement to restrict use on Golf Courses and Sod Farms.

Date Issued: 10/23/86 (Yellow)

Prev. Date Issued: 9/5/86



® *

PURINA ®*
BRAND

DIAZINON**SPRAY 12-1/2%

(Must be printed at top of front panel)

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

EPA Reg. No. 602-245
EPA EST. No. 602-MO-1

(3-Row Checkerband ®*)

PROTECTS
ROSES-FLOWERS-TREES-SHRUBS-
LAWNS-VEGETABLES-FRUITS-NUTS
AGAINST NUISANCE PESTS IN OUTSIDE AREAS

ACTIVE INGREDIENTS:

Diazinon [Diethyl] 0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate	12.50%
INERT INGREDIENTS ***.	87.50%
	100.00%

***Contains Petroleum distillate

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO
SEE BACK PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

PELIGRO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente.

(English Translation)

DANGER

(TO THE USER): If you cannot read English, do not use this product until the label has been fully explained to you.)

NET 16 FL OZ (1 PT)

ACCEPTED

APR 28 1987

Use
EPA Reg. No. 602-245 St.

3-2687

Manufactured By
PURINA MILLS, INC.
800 Chouteau Avenue
Louis, Missouri 63164 U.S.A.

NET 16 FL OZ

PURINA ®* DIAZINON**
BRAND
SPRAY 12-1/2%

* Trademark of Ralston Purina Company
**Diazinon a registered trademark of CIBA-GEIGY Corporation.

Back Panel

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

Corrosive, causes eye damage. Do not get in eyes. Wear goggles or face shield when handling. Keep out of reach of children. Harmful if swallowed. May be absorbed through skin. Do not breathe spray mist. Avoid contact with skin and clothing. Wash thoroughly after handling. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not permit children or pets to go onto the sprayed grass until the spray has completely dried. Keep out of reach of domestic animals. DO NOT USE IN THE HOME. Do not contaminate ornamental fish ponds.

STATEMENTS OF PRACTICAL TREATMENT

If swallowed - Call a physician immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE vomiting unless other treatment is not 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. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

If inhaled - Remove victim to fresh air. Apply respiration if indicated.

If on skin - Wash immediately with soap and water.

If in eyes - Flush with plenty of water. Get medical treatment immediately.

Note to Physician - If symptoms of cholinesterase inhibition are present, atropine sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, shrimp, crab, birds and other wildlife. Birds and other wildlife in treated areas may be killed. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

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

PHYSICAL OR CHEMICAL HAZARDS

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

STORAGE AND DISPOSAL

Storage: Store unused PURINA Diazinon Spray 12-1/2% in original container only, in cool, dry area out of reach of children and animals.

Pesticide Disposal: Securely wrap original container in several layers of newspaper and discard in trash.

Container Disposal: Do not reuse container. Rinse thoroughly before discarding in trash.

Hose-End Spayer Use

This product readily dispenses in water to form a spray that can be applied with garden hose applicators (hose-end sprayers). To ensure adequate coverage, use moderate to high water pressures when applying through hose-end sprayers. Follow directions on hose-end sprayer to deliver 1 fl. oz. per gallon of Purina Diazinon Spray 12-1/2% per gallon of water.

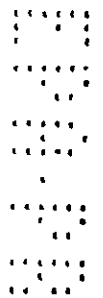
NOTE: See Directions For Use on Insert

QUALITY CONTROLLED BY PURINA RESEARCH

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Printed in U.S.A.



602-245
4/11

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Front Copy of Insert

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PURINA^{®*}
BRAND
DIAZINON**SPRAY 12-1/2%



®*

PROTECTS
ROSES-FLOWERS-TREES-SHRUBS-
LAWNS-VEGETABLES-FRUITS-NUTS
AGAINST NUISANCE PESTS IN OUTSIDE AREAS

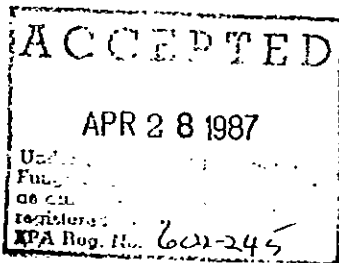
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KEEP OUT OF REACH OF CHILDREN
DANGER - PELIGRO
SEE LABEL FOR PRECAUTIONARY STATEMENTS

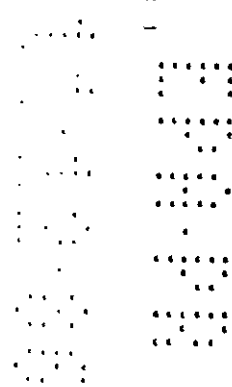
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Manufactured By
PURINA MILLS, INC.
800 Chouteau Avenue
St. Louis, Missouri 63164 U.S.A.

* Trademark of Ralston Purina Company

**Diazinon a registered trademark of CIBA-GEIGY Corporation.



Inside Copy of Insert

Directions for Mixing and Applying PURINA Diazinon Spray 12-1/2%

Mix and spray as directed in rate chart. Use a coarse drenching spray for lawns, soil and other surface applications. Use medium-fine mist sprays for trees and plants. Thorough coverage is important. Repeat application as needed or as noted in the rate chart. Flush sprayer with clean water after each use. Use contents within 6 months after opening.

Problem Areas

Pests - Rates and Directions

Note: Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia and orchids since injury may occur.

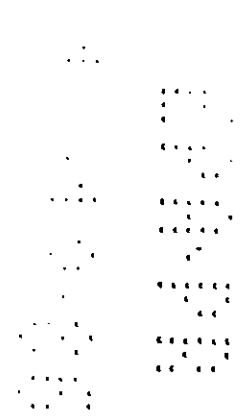
ROSES AND FLOWERS

Azaleas, Camellias,
Chrysanthemums,
Carnations, Gladioli,
Lilacs, Roses,
Rhododendrons

Aphids, Flea Beetles, Leafhoppers,
Dipterous Leafminers, Mealybugs, Mites (Carnation Bud,
Carnation Shoot, Cyclamen, European Red, Twospotted
Spider) Thrips, Whiteflies

2 fl. oz. (4 tablespoons) per 3 gals. of water.

Apply as a thorough foliar spray. Wet the plants to the dripping point. Try to hit underside of leaves and penetrate dense foliage.



Problem Areas	Pests - Rates and Directions
<u>TREES AND SHRUBS</u> 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 Moths, Holly Bud Moths, Dipterous Leafminers (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak) Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European Red, Privet, Twospotted Spider), Obscure Root Weevils, Omnivorous Leaf-tiers, Scale Crawlers (Cottonycushion, Euonymus, Lacanium, Pine Needle, Pit Scale, San Jose, Soft), Webworms (Juniper, Mimosa*), Whiteflies.

2 fl. oz. (4 tablespoons) per 3 gals. of water.

Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage.

*Mimosa Webworms: 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, Oblique-handed Leaf Rollers, Pear Slugs, Tent Caterpillars, Webworms (Cotoneaster, Fall)

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

LAWNS

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

Fire Ants

To aid in the control of fire ants in lawns and other recreational areas, apply 2 fl. oz. (4 tablespoons) 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 gentle rain at the rate of 1 gal. per mound. High pressure sprays may disturb the ants and cause migration, 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.

Ants, Armyworms, Bermudagrass Thrips, Brown Dog Ticks*, Chiggers, Crickets, Cutworms, Earwigs, Fleas, Fruit Flies, Lawn Billbugs**, Chinch Bugs, Lawn Moths (Sod Webworms), Leafhoppers, Mites (Bermuda, Clover), Sowbugs (Pillbugs), Springtails (Collembola)

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

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

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Problem Areas	Pests - Rates and Directions
	<p>Millipedes: 4 fl. oz. in 3 gals. of water covers 125 sq. ft.</p> <p>Thoroughly wet grass a few hours before applying.</p>
	<p>Rhodesgrass Scales</p> <p>2 fl. oz. in 3 gals. of water covers 100 sq. ft. - Apply when Scale Crawlers first emerge.</p>
	<p>Ants, Digger Wasps*</p> <p>2 fl. oz. in 3 gals. of water covers 125 sq. ft. Spot spray ant hills and wasp ground nest openings. *Make the application when the wasps are not active.</p>
	<p>Billbugs*, White Grubs** of: Japanese Beetle, European Chafer, Southern Chafer</p> <p>2 fl. oz. in 3 gals. of water covers 125 sq. ft. Water grass thoroughly after application.</p> <p>*Billbug control: Apply when activity is first observed or when chewed or brown grass is present, indicating damage from the insect.</p> <p>**Grub control: Make application any time between late July and early October.</p>
	<p>Hyperodes Weevil (New York only)</p> <p>1-1/2 fl. oz. in 3 gals. of water covers 125 sq. ft. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.</p>
Vegetables* Foliar Application:	Thoroughly spray all plant parts. Generally, applications at 7 to 10-day intervals may be required. Do not feed treated vines to livestock.
Beans, Peas	<p>Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Mites</p> <p>2 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden.</p>
<p>Cabbage Cauliflower, Collards, Broccoli, Kale, Radishes, Turnips</p>	<p>Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage Worms, Dipterous Leaf Miners</p> <p>2 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden.</p>
<p>Carrots, Celery, Endive, Lettuce, Parsnip, Spinach</p>	<p>Aphids, Flea Beetles, Leafhoppers, Dipterous Leaf Miners, Mites</p> <p>2 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden.</p>

Problem Areas	Pests - Rates and Directions
Cantaloupes, Cucumbers, Muskmelon, Squash (summer, winter), Watermelon	Aphids, Thrips, Mites 2 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 (<i>Drosophila</i> spp. [tomato]) 2 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden.
Onions	Onion Thrips 2 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden.
Sweet Corn	Aphids, Flea Beetles, Grasshoppers, Mites 2 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden.

Vegetables* Preplant Soil Application:

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

Cutworms (Surface, Subterranean)
12 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 500 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

3 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

9 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.

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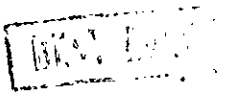
Problem Areas	Pests - Rates and Directions
	<p>Wireworms: Cabbage, Carrots, Corn, Lettuce, Peas, Snap Beans, and Tomatoes <u>Only</u></p> <p>12 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage.</p> <p>Apply broadcast just before planting. Immediately work into soil 4-8 inches.</p>
	<p>*After spraying, do not pick vegetables within:</p> <p>1 day - Peas, Tomatoes, Sweet Corn</p> <p>3 days - Cantaloupes, Muskmelons, Winter Squash, Watermelons</p> <p>5 days - Broccoli, Cauliflower, Peppers</p> <p>7 days - Beans, Cabbage, Cucumbers, Summer Squash</p> <p>10 days - Carrots, Celery, Collards, Endive, Kale, Lettuce, Onions, Parsnips, Radishes, Spinach, Turnips</p> <p>35 days - Potatoes</p>
Fruits* & Nuts	<p>Start spraying after blooming. Applications should be made according to infestation or when aphids, mites, and crawler stages of scale insects are first noted. If infestations warrant, repeat applications at 7 to 10-day intervals.</p>
Almonds, Filberts, Pecans, Walnuts	<p>Aphids, Nut Casemakers (pecans) Scale Crawlers, Spider Mites</p> <p>1/2 fl. oz. in 3 gals. of water. Apply as a full cover spray.</p> <p>Do not apply after husks open or split.</p>
Apples, Pears	<p>Aphids, Codling Moths, Eye-spotted Bud Moths, Fruit Tree Leaf Rollers, Leafhoppers, Tentiform Leaf Miners (pears), Maggots (apples), Mealybugs, Mites (European Red, Clover [brown], Pacific, Two-spotted Spider), Psylla (pears), Scale Crawlers (Cottony-Cushion, San Jose, Forbes, Soft)</p> <p>2 fl. oz. in 3 gals. of water. Apply as a full cover spray.</p> <p>On apples, slight russeting may occur on some varieties such as Golden Delicious.</p>
Apricots, Peaches; Nectarines	<p>Aphids, Apricot Mealybugs (apricot), Mites (clover [brown], Two-spotted Spider), Scale Crawlers (Olive, San Jose)</p> <p>2 fl. oz. in 3 gals. of water. Apply as a full cover spray.</p>
Cherries	<p>Black Cherry Aphids, Cherry Fruit Flies, Cherry Fruitworms (Maggots), Fruit Tree Leaf Rollers, Mites (Cherry Rust), Scale Crawlers (San Jose)</p> <p>2 fl. oz. in 3 gals. of water. Apply as a full cover spray.</p>

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Problem Areas	Pests - Rates and Directions
Figs	Dried Fruit Beetles, Vinegar Flies (<i>Drosophila</i> spp) 2 fl. oz. in 3 gals. of water. Apply as a full cover spray.
Plums, Prunes	Aphids (Leaf Curl, Plum, Mealy Plum, Thistle), Mites (Clover [brown], European Red) 2 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, Two-spotted Mites. Thrips. 2 fl. oz. in 3 gals. of water. Apply as a full cover spray.
Blueberries	Aphids, Blueberry Maggots, Cranberry Fruitworms, Cherry Fruitworms (Maggots), Two-spotted Mites, Thrips 2 fl. oz. in 3 gals. of water, Apply as a full cover spray.
Strawberries	Aphids, Two-spotted Mites. Strawberry Leaf Rollers 2 fl. oz. in 3 gals. of water. Apply as a full cover spray.
Grapes	Aphids, Grape Berry Moths, Grape Leafrollers, Leaf- hoppers, Scale Crawlers 2 fl. oz. in 3 gals. of water. Apply as a full cover spray.
Grapefruit, Lemons, Oranges	Citrus Thrips, Scale Crawlers (Citrus Snow**, Cottony- scale) 2 fl. oz. in 3 gals. of water. Apply as a full cover spray. **4 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

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)*
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Problem Areas

Pests - Rates and Directions

16 fl. oz. in 3 gals. of water.

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

Do not treat plants or animals.

*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.

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