

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

BLACK LEAF (R)

Since 1879

25% Diazinon

For use on lawns and vegetables.

Also kills certain outdoor insects which destroy flowers, fruits, roses, shrubs, trees, or annoy pets and people.

ACTIVE INGREDIENTS:

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

Aromatic petroleum derivative solvents..... 57%

INERT INGREDIENTS..... 18%

TOTAL 100.%

KEEP OUT OF REACH OF CHILDREN

WARNING

See additional precautionary and practical treatment statements on right panel.

EPA Reg. No. 5887-132

EPA Est. No. 70-KY-1

NET 16 FL OZ (1 PT) 473 mL

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** 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 or 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:** Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia. **IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists. **IF ON SKIN:** Remove contaminated clothing and wash affected areas with soap and water. **IF INHALED:** Remove victim to fresh air. Apply artificial respiration if indicated. **NOTE TO PHYSICIAN:** Diazinon is a cholinesterase

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inhibitor. If symptoms of cholinesterase inhibition are present, atropine sulfate only by intravenous injection is antidotal. 2-PAM is also antidotal, but should be administered in conjunction with atropine. **FOR EMERGENCY MEDICAL TREATMENT INFORMATION, CALL 312-523-1010.**

#### **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 area. 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.

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

#### **STORAGE AND DISPOSAL**

**General:** Do not contaminate water, food, feed, or other pesticides by use, storage, or disposal. If damaged, leaking, or spilled, soak up and wrap waste, then dispose of as below.

**Storage:** Keep in upright, tightly closed original container in a cool, dry, locked area away from flames, sparks, sunlight, other chemicals, and sources of ignition, heat, degradation, or contamination.

**Disposal:** Do not reuse empty container. Rinse original container thoroughly, then securely wrap in several layers of newspaper and discard intrash.

**BEFORE USING THIS PRODUCT, READ CAREFULLY THE COMPLETE PRECAUTIONS & DIRECTIONS FOR USE ON THE ATTACHED HANGTAG.**

UPC CODE #76842 00364-8 oz.  
76842 00365-16 oz.  
76842 00366-32 oz.

DISTRIBUTED BY  
BLACK LEAF PRODUCTS, A Division of Wilbur-Ellis Company,  
BUCKNER, KENTUCKY 40010  
B-489 MADE IN U.S.A.

(hangtag starts here)

# 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 ceilings, entrance-ways, 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.

Fire Ants: See lawn recommendations for rates and directions.

## DIRECTIONS FOR APPLYING BLACK LEAF 25% DIAZINON

### PROBLEM AREAS

### PESTS--RATES AND DIRECTIONS

#### LAWNS

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

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

4 8 10  
Thoroughly wet grass a few hours before applying.

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**Rhodesgrass Scales**

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

Apply when Scale Crawlers first emerge.

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**Ants, Digger Wasps\***

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

Spot spray ant hills and wasp ground nest openings.

\*Make the application at dusk when wasps are not active.

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**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 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.

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**NOTE:** Depending on lawn application 4 oz. of DIAZINON SPRAY in 12 gallons of water will cover up to 500 sq. ft.

**Fire Ants**  
To aid in the control of fire ants in lawns and other recreational 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 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, 65-80F, or in early

morning or late evening hours. Treat new mounds as they appear.

## 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

Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Mites  
1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden.

Broccoli, Cabbage, Cauliflower, Collards, Kale, Radishes, 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

## VEGETABLES

### Preplant Soil Application

Cabbage, Carrots,

Cutworms (Surface, Subterranean)  
6 fl. oz. per 1,000 sq. ft.

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

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

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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.

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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.

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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.

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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.

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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

<b>FRUITS &amp; NUTS</b>	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.
Almonds, Filberts, Pecans, Walnuts	Aphids, Nut Casemakers (pecans). Scale Crawlers, Spider Mites 1 1/2 fl. oz. in 3 gals. of water. Apply as a full cover spray. Do not apply after husks open or split.
Apples, Pears	Aphids, Codling 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 (Cottoncushion, 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	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 (Drosophila spp.) 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.

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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.
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Blueberries	Aphids, Blueberry Maggots, Cranberry Fruitworms, Cherry Fruitworms. Twospott- ed Mites, Thrips 1 fl. oz. in 3 gals. of water. Apply as a full cover spray.
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Strawberries	Aphids, Twospotted Mites. Strawberry Leafrollers 1 fl. oz. in 3 gals. of water. Apply as a full cover spray
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Grapes	Aphids, Grape Berry Moths, Grape Leaf- folders. Leafhoppers, Scale Crawlers 1 fl. oz. in 3 gals. of water. Apply as a full cover spray.
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Grapefruit, Lemons Oranges	Citrus Thrips, Scale Crawlers (Citrus Snow **Cottonycushion) 1 fl. oz. in 3 gals. water. Apply as a full cover spray. **1 1/2 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.
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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

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TREES & SHRUBS -----	Wet leaves and branches to the dripping point. Try to penetrate dense foliage.
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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, Lecanium, Pine Needle, Pit Scale, San Jose, Scft)
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1 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray.

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Webworms (Juniper, Mimosa\*), Whiteflies  
1 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray.

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

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

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

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#### ROSES & FLOWERS

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Wet the plants to the dripping point. Try to hit underside of leaves and penetrate dense foliage.

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Azaleas, Camellias, Chrysanthemums, Carnations, Gladioli, Lilac, Rhododendron, Roses	Aphids, Euonymus Scale Crawlers, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Twospotted Spider), Thrips, Whiteflies
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1 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray.

1-2-10

ATTACHMENT I

A. ACTIVE INGREDIENTS:

Diazinon (0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate)  
Inert Ingredients\*

25%  
75%

Total

100%

\* Contains Aromatic Derivative Solvent