

FRONT PANEL

VIGORO®
LIQUID DIAZINON®
SOUTHERN FORMULA

LAWN AND GARDEN INSECT CONTROL

This product must not be used on golf courses and sod farms

DO NOT USE IN THE HOME

Spray Concentrate. Contains Diazinon® Insecticide

ACTIVE INGREDIENT:

Diazinon: [O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate]	12.5%
INERT INGREDIENTS:	87.5%
Total	100.0%

Contains petroleum distillate.

Manufactured for
VIGORO INDUSTRIES, INC.
Fairview Heights, IL 62208

Net Contents 1 Gallon

EPA Reg. No. 557-1913

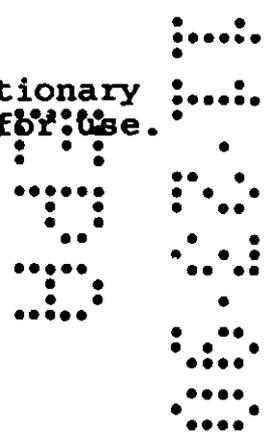
EPA Est. No. 557-IL-1

KEEP OUT OF REACH OF CHILDREN

DANGER

See back panel for additional precautionary information and specific directions for use. Read the entire label before using.

Not Reviewed. Registrant claims to be in accordance with Reregistration of Pesticide Product Guidelines for Phase 2 Reference, Page 2.12, As To Use of Change in Status.



REAR PANEL

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage. Do not get into eyes or on clothing. Wear goggles or safety glasses. Keep out of reach of children and domestic animals. Harmful if swallowed. May be absorbed through skin. May cause contact sensitization following repeated contact with skin in susceptible individuals. Avoid repeated contact with skin. If sensitization reactions result, consult a physician. Do not breathe spray mist. Avoid contact with skin, eyes 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 on treated lawns until application has completely dried. 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.

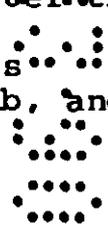
STATEMENT OF PRACTICAL TREATMENT

If swallowed: Do not induce vomiting. Get medical attention immediately.
If inhaled: Remove victim to fresh air and apply artificial respiration if indicated. Get medical attention.
If on skin: Wash with soap and warm water.
If in eyes: Rinse thoroughly with clean water. Get medical attention immediately.

Note to Physician: This product contains a petroleum solvent and may present an aspiration hazard. This product also contains a cholinesterase inhibitor. If symptoms of cholinesterase inhibition occur, atropine sulphate by injection is antidotal. 2-PAM is also antidotal but only when given in conjunction with atropine.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to birds, fish, and wildlife including waterfowl. Birds and 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 in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates. Rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. Where irrigation (watering) is recommended apply a minimum of 0.25 inch of water immediately after application. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries (except for effluence from treated watercress beds). Do not apply to water that will be used for recreational purpose and human and livestock consumption. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and



REAR PANEL CONT.

other aquatic life are important resources. This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this pesticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARD

Do not use, pour, spill or score 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.

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- Storage: Store in original container in safe dry place. Do not contaminate other pesticides, fertilizers, seeds, food or feed.
 - Product Disposal: Securely wrap original container in several layers of newspaper and discard in trash. Soak up spilled product in absorbent material before disposal.
 - Container Disposal: Do not reuse empty container. Wrap container and put in trash.
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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, or in advance of an expected infestation. Repeat applications as needed or as noted in the rate chart.

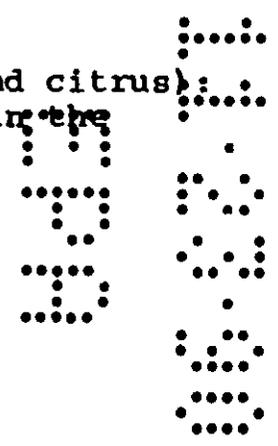
Step 2: Use clean sprayer. Carefully measure and mix the amount of insecticide and water as suggested in the chart on right panel.

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.

Foliar application to peas, or beans: Do not apply if the crop or weeds in the treatment area are in bloom.

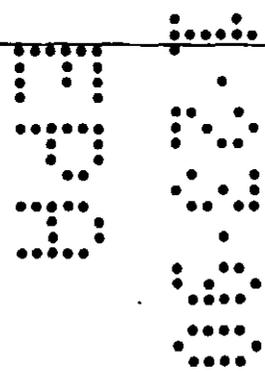
Foliar application to corn: Do not apply to corn during the pollen shed period.

Foliar application to fruit trees (apple, pear, peach, and citrus): Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom.



REF. PANEL (Cont'd)

Problem Area	Pests — Rate & Direction
LAWNS: Bent, Bermuda, Bluegrass, Dichondra, Fescue, Marion, St. Augustine	Ants, Armyworms, Chiggers, Chinch Bugs (Lawns) (1), Cutworms, Crickets, Lawn Billbugs (2), Mites (Bermuda, Clover), Sod Webworms (Lawn Moths), Sowbugs, (Pillbugs), White Grubs (3) of: Japanese Beetle, European Chafer, Southern Chafer. 2 fl. oz. in 3 gals. of water covers 125 sq. ft., or in 24 gals. of water covers 1,000 sq. ft. Thoroughly wet down grass a few hours before applying. (1) In the North, if chinch bugs are the only lawn insect problem, lower rate of application can be used: 1 fl. oz. in 3 gals. of water covers 125 sq. ft. (2) For billbug control, apply when activity is first observed or when chewed or brown grass is present, indicating damage from the insect. Water lawn thoroughly immediately after treatment. (3) For grub control, make application anytime between late July - early October.
VEGETABLES: Foliar Sprays	Number following crop refers to preharvest interval in days following spray application.
Beans (7) Peas (1)	Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mites, Mexican Bean Beetles.
Cabbage (7) Cauliflower (5) Broccoli (5) Radishes (10)	Aphids, Flea Beetles, Imported Cabbage Worm, Dipterous Leafminer
Corn (10) Lettuce (10)	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminer, Mites
Cantaloupes (3) Cucumbers (7) Squash (3)	Aphids, Thrips, Mites
Tomatoes (1) Peppers (7)	Aphids, Fall Armyworm (tomato), Flea Beetles, Leafhoppers, Southern Armyworm, Yumigal Flies (tomato)
Onions (10)	Onion Thrips
Sweet Corn (1)	Aphids, Flea Beetles, Grasshoppers, Mites
Vegetables: Directions for Use	2 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden. Thoroughly spray all plant parts. Generally, if infestations warrant, applications at 7-10 day intervals may be required. Do not feed treated vines to livestock.
VEGETABLES: Preplant Soil Application Carrots, Corn, Lettuce, Peas, Red Beets, Snap Beans	Cutworms (also radishes and cabbage): 12 fl. oz. per 1,000 sq. ft. Work into 2-3 inches of soil for surface cutworms, 3-6 inches for subterranean cutworms. Wireworms (except red beets): 6 fl. oz. per 500 sq. ft. of soil working into soil 4-8 inches. Root Maggot (cabbage only): 9 fl. oz. per 1,000 sq. ft. Work into soil 4-8 inches. Apply broadcast just before planting. Mix with enough water to achieve thorough coverage and work into soil immediately.
FRUITS & NUTS:	Number following crops refers to preharvest interval (in days) following spray application.
Apples (14) Pears (14), Peaches (21) Nectarines (10)	Aphids, Cuckoo Moths, Fruit Tree Leaf Roller, Maggots (apples), Mites (European Red +, Two Spotted Spider) San Jose Scale Crawler (+ Apples and Pears only): 2 fl. oz. in 3 gals. of water. Apply as full cover spray.
Strawberries (5), Blueberries (7), Blackberries (7), Raspberries (7)	Aphids, Two-spotted Mites: 2 fl. oz. in 3 gals. water. Apply as full cover spray.
Grapefruit, Lemons (21) Oranges	Citrus Thrips, Scale Crawlers (Citrus Snow Scale [®] , Cottony-cushion): 2 fl. oz. in 3 gals. of water. Apply as a full cover spray. Start spraying after blooming. Applications should be made according to infestation of when aphids, mites and crawler stages of scale insects are first noted. If infestations warrant, repeat applications at 7-10 day intervals. **4 fl. oz. in 3 gals. of water. Apply as a full cover spray. Apply after blooming and again in the summer. Thorough spray coverage of tree trunk, limbs and twigs is essential.
Almonds, Filberts, Pecans, Walnuts	Aphids, Nut Case-maker (pecans), Scale Crawlers, Spider Mites: 1/2 fl. oz. in 3 gals. of water. Apply as a full cover spray. Do not apply after husks open or split.
ROSES AND FLOWERS: Azalea, Camellia, Chrysanthemum, Carnation, Gladiolus, Lilac, Rhododendron, Roses	Aphids, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Two-Spotted Spider Mites, Thrips, Whiteflies: 2 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray. Wet the plants to the dripping point. Try to hit the underside of leaves and penetrate dense foliage.
TREES & SHRUBS: Arborvitae, Birch, Boxwood, Holly, Juniper, Locust, Maple, Mimosa, Oak, Pine, Poplar, Spruce, Willow	Aphids, Bagworms, Leafhoppers, Mealybugs, Scale Crawlers (Cottony-cushion, Eucynemus, San Jose, Soft), Webworms (Juniper, Mimosa + +) 2 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage. + + For Mimosa Webworms: Apply a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals. Ten Caterpillars, Webworms (Cottonmaster, Fall): 6 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray.



Reg # 557-1913

PM-13

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INERT INGREDIENTS: 87.5%

Total 100.0%

Contains petroleum distillate.

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Net Contents 1 Gallon

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KEEP OUT OF REACH OF CHILDREN

DANGER

See back panel for additional precautionary information and specific directions for use. Read the entire label before using.

Not Reviewed. Registrant claims to be in accordance with Reregistration of Pesticide Products Guidance for Phase 2 Review, Page 2.12, Add to Risk Change in Status.

11/23/90

REAR PANEL

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage. Do not get into eyes or on clothing. Wear goggles or safety glasses. Keep out of reach of children and domestic animals. Careful if swallowed. May be absorbed through skin. May cause contact sensitization following repeated contact with skin in susceptible individuals. Avoid repeated contact with skin. If sensitization reactions result, consult a physician. Do not breathe spray mist. Avoid contact with skin, eyes 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 on treated lawns until application has completely dried. 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.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Do not induce vomiting. Get medical attention immediately.

If inhaled: Remove victim to fresh air and apply artificial respiration if indicated. Get medical attention.

If on skin: Wash with soap and warm water.

If in eyes: Rinse thoroughly with clean water. Get medical attention immediately.

Note to Physician: This product contains a petroleum solvent and may present an aspiration hazard. This product also contains a cholinesterase inhibitor. If symptoms of cholinesterase inhibition occur, atropine sulphate by injection is antidotal. 2-PAM is also antidotal but only when given in conjunction with atropine.

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REAR PANEL CONT.

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PHYSICAL OR CHEMICAL HAZARD

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: Store in original container in safe, dry place. Do not contaminate other pesticides, fertilizers, seeds, food or feed.
 Product Disposal: Securely wrap original container in several layers of newspaper and discard in trash. Soak up spilled product in absorbent material before disposal.
 Container Disposal: Do not reuse empty container. Wrap container and put in trash.

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, or in advance of an expected infestation. Repeat applications as needed or as noted in the rate chart.

Step 2: Use clean sprayer. Carefully measure and mix the amount of pesticide and water as suggested in the chart on right panel.

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.

Foliar application to peas, or beans: Do not apply if the crop or weeds in the treatment area are in bloom.

Foliar application to corn: Do not apply to corn during the pollen shed period.

Foliar application to fruit trees (apple, pear, peach, and citrus): Do not apply when trees or substantial numbers of weeds in the orchard (grove) are in bloom.

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REAR PANEL (Cont'd)

Problem Area	Pests — Rate & Direction
LAWNS: Bent, Bermuda, Bluegrass, Dichondra, Fescue, Merion, St. Augustine	Ants, Armyworms, Chiggers, Chinch Bugs (Lawns) (1), Cutworms, Crickets, Lawn Billbugs (2), Mites (Bermuda, Clover), Sod Webworms (Lawn Moths), Sowbugs, (Pillbugs), White Grubs (3) of: Japanese Beetle, European Chaler, Southern Chaler. 2 fl. oz. in 3 gals. of water covers 125 sq. ft., 4 fl. oz. in 24 gals. of water covers 1,000 sq. ft. Thoroughly wet down grass a few hours before applying. (1) In the North, if chinch bugs are the only lawn insect problem, lower rate of application can be used: 1 fl. oz. in 3 gals. of water covers 125 sq. ft. (2) For billbug control, apply when activity is first observed or when chewed or brown grass is present, indicating damage from the insect. Water lawn thoroughly immediately after treatment. (3) For grub control, make application anytime between late July - early October.
VEGETABLES: Foliar Sprays	Number following crop refers to preharvest interval in days following spray application.
Beans (7) Peas (1)	Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mites, Mexican Bean Beetles.
Cabbage (7) Broccoli (5) Cauli (5) Kohlrabi (10)	Aphids, Flea Beetles, Imported Cabbage Worm, Dipterous Leafminer
Carrots (10) Lettuce (10)	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminer, Mites
Cantaloupes (3) Cucumbers (7) Squash (3)	Aphids, Thrips, Mites
Tomatoes (1) Peppers (7)	Aphids, Fall Armyworm (tomato), Flea Beetles, Leafhoppers, Southern Armyworm, Vinegar Flies (tomato)
Onions (10)	Onion Thrips
Sweet Corn (1)	Aphids, Flea Beetles, Grasshoppers, Mites
Vegetables: Directions for Use	2 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden. Thoroughly spray all plant parts. Generally, if infestations warrant, applications at 7-10 day intervals may be required. Do not feed treated vines to livestock.
VEGETABLES: Preplant Soil Application Carrots, Corn, Lettuce, Peas, Red Beets, Snap Beans	Cutworms (also radishes and cabbage): 12 fl. oz. per 1000 sq. ft. Work into 2-3 inches of soil for surface cutworms, 3-6 inches for subterranean cutworms. Wireworms (except red beets): 6 fl. oz. per 500 sq. ft. of soil working into soil 4-8 inches. Root Maggot (cabbage only): 9 fl. oz. per 1,000 sq. ft. Work into soil 4-8 inches. Apply broadcast just before planting. Mix with enough water to achieve thorough coverage and work into soil immediately.
FRUITS & NUTS:	Number following crops refers to preharvest interval (in days) following spray application.
Apples (14) Peaches (14), Peaches (21) Nectarines (10)	Aphids, Codling Moths, Fruit Tree Leaf Roller, Maggots (apples), Mites (European Red +, Two Spotted Spider) San Jose Scale Crawler (+ Apples and Pears only): 2 fl. oz. in 3 gals. of water. Apply as full cover spray.
Raspberries (5), Blueberries (7), Blackberries (7); Raspberries (7)	Aphids, Two-spotted Mites: 2 fl. oz. in 3 gals. water. Apply as full cover spray.
Oranges Lemons (21)	Citrus Thrips, Scale Crawlers (Citrus Snow Scale [™] , Cottony-cushion): 2 fl. oz. in 3 gals. of water. Apply as a full cover spray. Start spraying after blooming. Applications should be made according to infestation of when aphids, mites and crawler stages of scale insects are first noted. If infestations warrant, repeat applications at 7-10 day intervals. **4 fl. oz. in 3 gals. of water. Apply as a full cover spray. Apply after blooming and again in the summer. Thorough spray coverage of tree trunk, limbs and twigs is essential.
Almonds, Filberts, Pecans, Walnuts	Aphids, Nut Casemaker (pecans), Scale Crawlers, Spider Mites: ½ fl. oz. in 3 gals. of water. Apply as a full cover spray. Do not apply after husks open or split.
ROSES AND FLOWERS: Azalea, Camellia, Chrysanthemum, Carnation, Gladiolus, Lilac, Rhododendron, Roses	Aphids, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Two-Spotted Spider Mites, Thrips, Whiteflies: 2 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray. Wet the plants to the dripping point. Try to hit the underside of leaves and penetrate dense foliage.
TREES & SHRUBS: Arborvitae, Birch, Boxwood, Holly, Juniper, Locust, Maple, Mimosa, Oak, Pine, Poplar, Spruce, Willow.	Aphids, Bagworms, Leafhoppers, Mealybugs, Scale Crawlers (Cottony-cushion, Eucymnus, San Jose, Soft), Webworms (Juniper, Mimosa + +) 2 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage. + + For Mimosa Webworms: Apply a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals. Tent Caterpillars, Webworms (Cottonaster, Fall): 6 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray.