

**RESTRICTED USE PESTICIDE
DUE TO AVIAN AND AQUATIC TOXICITY**

FOR RETAIL SALE TO AND USE BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

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

DIAZINON[®] 4EC (AG)

Insecticide For Control Of Certain Insects On Fruits, Vegetables, Field Crops, and Ornamentals Grown Outdoors In Nurseries.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Refer To Inside Of Label Booklet For Additional Precautionary Statements, Worker Protection Statements, Directions For Use, and Storage and Disposal Instructions.

ACTIVE INGREDIENT:

O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate 48.0%

INERT INGREDIENTS* 52.0%

Total 100.0%

*Contains Xylene Range Aromatic Solvent.
Diazinon 4EC Contains 4 Pounds Diazinon Per Gallon.

Net Contents: 2 1/2 Gallons

ACCEPTED
DEC 23 2003
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 1386-599

EPA Reg. No. 1386-599
EPA Est. No. 1386-OH-1

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye injury. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Avoid contamination of food and feed. Food utensils such as tablespoons and measuring cups should not be used for food purposes after use in measuring pesticides. Keep out of reach of domestic animals. Do not use on humans, household pets, or livestock. Do not contaminate ornamental fish ponds.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category F on an EPA chemical resistance category selection chart. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Applicators and Other Handlers Must Wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, or viton \geq 14 mils
- Shoes plus socks

Engineering Controls Statements: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(2)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

FIRST AID

This product contains diazinon, an organophosphate insecticide that inhibits cholinesterase.

If Swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious or convulsing person.
If In Eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If Inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If On Skin or Clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN: This product contains diazinon, an organophosphate that inhibits cholinesterase. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal, but should be administered only in conjunction with atropine.

For Medical Emergency information call 1-800-308-1241.

ENVIRONMENTAL HAZARDS

This product is highly toxic to birds, fish, and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Do not exceed maximum permitted label rates. Rates above those recommended significantly increase potential hazards to birds, especially waterfowl. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and 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 wash waters.

This pesticide is highly toxic to bees exposed to direct treatment or to 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 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.

Reformulation or repackaging of this product is prohibited.

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, since crop or plant injury may result. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical resistant gloves such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, and viton ≥ 14 mils
- Shoes plus socks

In the directions for use which follow, best control is obtained when application is made at first sign of pests. Application should be repeated only as directed to maintain control.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

WORK SAFETY RULES

REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

When handling Diazinon 4EC (AG), do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See Practical Treatment section of this label.

NOTE: The California Department of Agriculture has set a 5-day reentry period for diazinon on grapes, peaches, and nectarines. Five days should elapse between the time of application and the time a worker may enter the field to engage in any activity requiring substantial contact with treated foliage. When a mixture of 2 or more organophosphate pesticides are applied in combination, the interval should be prolonged by adding to the largest applicable interval an additional 50% of that interval.

GENERAL INFORMATION

Diazinon 4EC (AG) is an emulsifiable solution which, when diluted with water according to the directions, is intended for the control of insect pests of agricultural crops and other plants. Do not use in greenhouses, barns, or dwellings. Do not use on livestock.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

In the directions for use which follow, best control is obtained when application is made at the first sign of pests. Application should be repeated only as directed to maintain control.

FRUIT CROPS

Diazinon 4EC (AG) may be applied using ground or aerial application equipment as specified in the following table. This table indicates the minimum amount of water that can be used for the various methods of application. The rate of Diazinon 4EC (AG) for aerial spray or concentrated spray applied to fruit trees by ground equipment is based on a dilute full cover spray applied with conventional ground equipment at a rate of 300 to 400 gallons of water per acre. The specific amount of product to be used appears under the separate directions for use for each crop. If the rate calls for 1 pint of Diazinon 4EC (AG) in 100 gallons of water, this amounts to 3 to 4 pints of product per acre when applied at the usual dilute ground spray volumes of 300 to 400 gallons of water per acre. In no case should the amount of product used per acre exceed the maximum amount per acre per application that is specified in the timing/special directions for individual crops. Observe stated time intervals between last application and harvest as well as intervals between applications and total amount of product that can be applied per season.

CROP	AERIAL APPLICATION MINIMUM GALS./ACRE	GROUND APPLICATION MINIMUM GALS./ACRE		PHI**	REI***
		DILUTE	CONCENTRATE		
Apricots	20	100	20	21	24 Hours
Blackberries*	20	100	20	7	24 Hours
Boysenberries*	20	100	20	7	24 Hours
Cherries	20	100	20	21	24 Hours
Cranberries	20	15	--	7	24 Hours
Dewberries*	20	100	20	7	24 Hours
Grapes	20	100	20	28	24 Hours
Loganberries*	20	100	20	7	24 Hours
Nectarines	20	100	20	21	24 Hours
Peaches	20	100	20	21	24 Hours
Plums, Prunes	20	100	20	21	24 Hours
Raspberries*	20	100	20	7	24 Hours
Strawberries	20	100	20	5	24 Hours

*OR or WA only; **PHI = Pre-Harvest Interval or the number of days to wait between the last application and harvest; ***REI = Restricted-Entry Interval.

NOTE: To protect bees, do not apply this product to fruit trees when trees or substantial numbers of weeds in the orchard are in bloom.

APRICOTS - Aphids, Brown Mites (Clover Mites), Two-Spotted Spider Mites, Olive Scale Crawlers, and San Jose Scale Crawlers - Apply 1 pint in 100 gallons of water. Apply as infestations occur. Repeat application after 14 days if necessary. Olive Scale Crawlers - Apply 1/2 pint plus 1 1/2 gallons of light medium horticultural oil per 100 gallons of water. Apply when scale crawlers are present. Apricot Mealybugs - Apply 1 pint per 100 gallons of water. Apply as a cover spray from petal fall to June. Allow 14 days between applications.

Notes: (1) Do not apply more than 4 pints of product per acre per application and no more than 12 pints of product per acre per season. (2) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest.

CANEBERRIES (OR and WA only), BLACKBERRIES, BOYSENBERRIES, DEWBERRIES, LOGANBERRIES, RASPBERRIES - Leafhoppers, Thrips, Aphids, Two-spotted Spider Mites, Raspberry Fruitworms, Raspberry Sawflies - Apply 1 quart per acre. Apply as insects occur. Repeat application after 14 days if necessary. Apply in a minimum of 100 gallons of water per acre (200 gallons per acre maximum). For Raspberry Fruitworms make one application when blossom buds separate. Make a second application immediately before blossoms open. Dryberry Mites - Apply 1 to 2 quarts per acre. Apply as a dormant spray in the early Spring when canes are still on the ground and buds are closed. Make a second application when buds are well developed but still closed. Apply in a minimum of 100 gallons of water per acre. Raspberry Crown Borers (Raspberry Root Borers) - Apply 2 quarts per acre. Apply a single application in a minimum of 100 gallons of water per acre as a drench to the crown and lower canes in the Spring before buds break.

Notes: (1) Do not apply more than 2 quarts of product per acre per application and no more than 5 quarts of product per acre per season. (2) To avoid illegal residues, allow a minimum of 7 days between the last application and harvest.

CHEERRIES - Eyespotted Bud Moths and Fruit Tree Leafrollers - Apply 1 pint in 100 gallons of water. Apply in cover sprays as infestations occur beginning at petal fall. Repeat application after 7 days if necessary. Leafhoppers - Apply 1 pint in 100 gallons of water. Make 3 to 4 applications beginning at petal fall and continuing through the growing season as infestations occur. Allow 7 days between applications. Cherry Fruitflies - Apply 1/2 to 1 pint in 100 gallons of water. Make 3 to 4 applications beginning when adult flies begin to emerge and repeating at 10 day intervals. Black Cherry Aphids - Apply 1 pint in 100 gallons of water. Apply as a cover spray when aphids appear. Repeat applications after 10

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days if necessary. **San Jose Scale Crawlers** - Apply 1 pint in 100 gallons of water. Apply during the pre-pink stage or when crawlers first appear. **Cherry Rust Mites** - Apply 1/2 to 1 pint in 100 gallons of water. Apply to trees as a single supplemental spray after harvest.

Notes: (1) Do not make more than 3 applications per season. (2) Do not apply more than 4 pints of product per acre per application and no more than 12 pints of product per acre per season. (3) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest.

CRANBERRIES - Blackheaded Fireworms (*Rhopobota naevana*) - Apply 2 quarts in a minimum of 15 gallons of water per acre for ground application. Apply to larval stage. Pheromone trap captures and sweep monitoring may be used to optimize treatment timing. Repeat application after 14 days if necessary. A maximum of 6 applications per season is permitted. **Cranberry Fruitworms** - Apply 2 to 3 quarts in a minimum of 15 gallons of water per acre for ground application. Cranberry growth stage and/or berry inspection for eggs may be used to optimize treatment timing; consult your local extension agent or pest management adviser. Repeat application every 14 days, as needed. A maximum of 4 applications per season is permitted for the 3 quart rate. A maximum of 6 applications is permitted for the 2 quart rate.

Notes: (1) Do not apply more than 12 quarts of product per acre per season. (2) To avoid illegal residues, allow a minimum of 7 days between the last application and harvest. (3) This product may be applied to cranberries through sprinkler irrigation. Refer to the section CHEMIGATION for specific chemigation directions for use. (4) **DO NOT USE WATER FROM IRRIGATED OR FLOODED CRANBERRY BEDS FOR DRINKING PURPOSES OR TO IRRIGATE CROPS OTHER THAN THOSE APPEARING ON EPA APPROVED DIAZINON LABELS.**

GRAPES - Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leafrollers, Omnivorous Leafrollers, Aphids, Spider Mites - Apply 1 to 2 pints per acre in a minimum of 100 gallons of water. Apply as pest occurs as a thorough cover spray. Repeat application after 7 days if necessary. **Drosophila spp.** - Apply 6 fluid ounces per acre in a minimum of 100 gallons of water (300 gallons of water maximum). Apply as pest occurs as a thorough cover spray. Repeat application after 7 days, if necessary.

Notes: (1) Do not apply more than 2 pints of product per acre per application and no more than 10 pints per acre per season. (2) To avoid illegal residues, allow 28 days between the last application and harvest.

NECTARINES - Oriental Fruit Moths - Apply 1 pint in 100 gallons of water. Apply at 100% petal fall. Make 2 additional applications at 10 to 15 day intervals. Time the last application to peak adult flight. **Aphids, Brown Mites (Clover Mites), Two-Spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers, Peach Twig Borers** - Apply 1 pint in 100 gallons of water. Apply as infestations occur. Repeat application after 14 days if necessary.

Notes: (1) Do not apply more than 4 pints of product per acre per application and no more than 12 pints per acre per season. (2) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest.

PEACHES - Aphids, Brown Mites (Clover Mites), Two-Spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers - Apply 1 pint in 100 gallons of water. Apply as infestations occur. Repeat application after 14 days if necessary. **Oriental Fruit Moths** - Apply 1 pint in 100 gallons of water. Apply at 100% petal fall. Make 2 additional applications at 10 to 15 day intervals. Time the last application to peak adult flight. **Peach Twig Borers** - Apply 1 pint in 100 gallons of water. Apply as insects occur in May and June. Allow 7 days between applications. **Leafhoppers** - Apply 1 pint in 100 gallons of water. Make 3 to 4 applications beginning at petal fall and continuing through the growing season. Allow at least 7 days between applications. **White Peach Scale** - Apply 1 1/2 to 2 pints in 100 gallons of water. Apply post-harvest timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestation 2 applications (7 days apart) may be needed. Do not apply before fruit is harvested.

Notes: (1) Do not apply more than 4 pints of product per acre per application and no more than 12 pints of product per acre per season. (2) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest.

PLUMS AND PRUNES - Brown Mites (Clover Mites) and European Red Mites - Apply 1 pint in 100 gallons of water. Apply as needed every 7 days. **Leafcurl Plum Aphids, Mealy Plum Aphids, and Thistle Aphids** - Apply 1/2 to 1 pint in 100 gallons of water. Apply as needed every 7 days.

Notes: (1) Do not apply more than 4 pints of product per acre per application and no more than 12 pints of product per acre per season. (2) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest.

STRAWBERRIES - Aphids, Two-spotted Spider Mites - Apply 1 pint in 100 gallons of water per acre. Apply as pests occur. Repeat application if necessary every 7 days. But do not make more than 3 applications per season. Cyclamen Mites - Apply 1 quart in 100 gallons of water per acre. Direct spray to the plant crowns. Plants should be sufficiently agitated to assure thorough coverage of the foliage. Repeat application after 7 days if necessary. Do not make more than 3 foliar applications per season. Mole Crickets - Apply 1 quart per acre. Broadcast in sufficient water to obtain even coverage when insects are present. Apply 1 to 2 days before transplanting and immediately incorporate into the top 1 to 2 inches of soil. Strawberry Leafrollers - Apply 3/4 to 1 pint in 100 gallons of water. Apply 200 gallons of spray per acre when blossoms show color.

Notes: (1) Do not apply more than 1 quart of product per application and no more than 4 quarts of product per acre per season. (2) To avoid illegal residues, allow a minimum of 5 days between the last application and harvest.

VEGETABLE CROPS

For foliar or soil applications, Diazinon 4EC (AG) should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil. Diazinon 4EC (AG) may be applied using ground or aerial application equipment as specified in the following table. This table indicates the minimum amount of water that can be used for the various methods of application. The specific amount of product to be used appears under the separate directions for use for each crop. Observe stated time intervals between last application and harvest as well as intervals between and maximum numbers of applications per season. Do not apply in greenhouses.

CROP	GROUND APPLICATION		AERIAL APPLICATION	PHI**	REI***
	Minimum Gals./Acre	or Minimum Gals./1,000 Sq. Ft.	Minimum Gals./Acre		
Beets, Red (Table)	10	2	5	14	24 Hours
Broccoli	10	2	5	7	24 Hours
Brussels Sprouts	10	2	5	7	24 Hours
Cabbage	10	2	5	21	24 Hours
Cantaloupes	5	1	5	3	24 Hours
Carrots	10	2	5	14	24 Hours
Casaba Melons	5	1	5	3	24 Hours
Cauliflower	10	2	5	7	24 Hours
Chinese Broccoli	10	2	5	10	24 Hours
Chinese Cabbage	10	2	5	10	24 Hours
Chinese Mustard	10	2	5	10	24 Hours
Chinese Radish (CA, FL Only)	10	2	5	10	24 Hours
Collards	10	2	5	10	24 Hours
Crenshaw Melons	5	1	5	3	24 Hours
Endive (Escarole)	10	2	5	14	24 Hours
Ginseng	10	2	5	30	24 Hours
Honeydew Melons	5	1	5	3	24 Hours
Kale	10	2	5	10	24 Hours
Lettuce, Head	10	2	5	14	24 Hours
Lettuce, Leaf	10	2	5	14	24 Hours
Muskmelons	5	1	5	3	24 Hours
Mustard	10	2	5	10	24 Hours
Onions (Bulb and Green)	10	2	5	14	24 Hours
Persian Melons	5	1	5	3	24 Hours
Radishes	10	2	5	14	24 Hours
Spinach	10	2	5	14	24 Hours
Sweet Corn	20	4	5	7	24 Hours
Tomatoes	10	2	5	1	24 Hours
Watermelons	5	1	5	3	24 Hours

*Do not use on commercially grown potatoes which will be hand-harvested.

**PHI = Pre-Harvest Interval or the number of days to wait between the last application and harvest.

***REI = Restricted-Entry Interval.

Notes: (1) SOIL INCORPORATION FOR SOIL BORNE PESTS: Following application of this product to control vegetable soil insects, immediately incorporate the product into soil to the recommended depths, using a rotary hoe, cultivator, disk, harrow, or other suitable means. For control of MOLE CRICKETS, incorporate into the top 1 to 2 inches of soil; ONION MAGGOTS, incorporate into the top 3 to 4 inches of soil; ROOT MAGGOTS, incorporate into the top 3 to 4 inches of soil; SUBTERRANEAN CUTWORMS, incorporate into the top 3 to 6 inches of soil; SURFACE CUTWORMS, incorporate into the top 2 to 3 inches of soil; and WIREWORMS, incorporate into the top 4 to 8 inches of soil. (2) TO PROTECT BEES: Foliar applications of this product should not be made to corn during the pollen shed period.

BEETS, RED (Table) - For Soil Insects See Soil Incorporation Note - Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) Mole Crickets - Apply 1 quart per acre. One to two days before planting, broadcast and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Dipterous Leafminers - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest, or illegal residues may occur.

Note: Diazinon will not control organophosphate-resistant leafminers.

BROCCOLI - For Soil Insects See Soil Incorporation Note - Root Maggots - Apply 2 to 3 quarts per acre. Apply to plant beds or fields just before sowing of seed or transplanting and immediately incorporate into the soil. Transplant Water Treatment - Apply 4 to 8 ounces per 50 gallons of water. In transplant water as a drench application when 200 to 300 gallons of water are used per acre. Apply 1/2 to 1 cup (4 to 8 ounces) per plant by hand or by tractor mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting. Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Mole Crickets - Apply 1 quart per acre. One to two days before planting, broadcast and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Aphids, Diamondback Moths, Imported Cabbageworms, and Dipterous Leafminers - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 7 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers.

BRUSSELS SPROUTS - For Soil Insects See Soil Incorporation Note - Root Maggots - Apply 2 to 3 quarts per acre. Apply to plant beds or fields just before sowing of seed or transplanting and immediately incorporate into the soil. Transplant Water Treatment - Apply 4 to 8 ounces in 50 gallons of water. In transplant water as a drench application when 200 to 300 gallons of water are used per acre. Apply 1/2 to 1 cup (4 to 8 ounces) per plant by hand or by tractor-mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Note transplant water treatments may result in stand reduction due to plant stress at time of transplanting. Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Mole Crickets - Apply 1 quart per acre. One to two days before planting, broadcast and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Aphids, Diamondback Moths, and Imported Cabbageworms - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 7 days of harvest, or illegal residues may occur.

CABBAGE - For Soil Insects See Soil Incorporation Note - Root Maggots - Apply 2 to 3 quarts per acre. Apply to plant beds or fields just before sowing of seed or transplanting and immediately incorporate into the soil. Transplant Water Treatment - Apply 4 to 8 ounces in 50 gallons of water. In transplant water as a drench application when 200 to 300 gallons of water are used per acre. Apply 1/2 to 1 cup (4 to 8 ounces) per plant by hand or by tractor-mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting. Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Mole Crickets - Apply 1 quart per acre. One to two days before planting, broadcast and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just

before planting and immediately incorporate into the soil. Aphids, Diamondback Moths, Imported Cabbageworms, and Dipterous Leafminers - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 21 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers.

CARROTS - For Soil Insects See Soil Incorporation Note - Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Mole Crickets - Apply 1 quart per acre. One to two days before planting, broadcast and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Aphids - Apply 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest, or illegal residues may occur.

CAULIFLOWER - For Soil Insects See Soil Incorporation Note - Root Maggots - Apply 2 to 3 quarts per acre. Apply to plant beds or fields just before sowing of seed or transplanting and immediately incorporate into the soil. Transplant Water Treatment - Apply 4 to 8 ounces in 50 gallons of water. In transplant water as a drench application when 200 to 300 gallons of water are used per acre. Apply 1/2 to 1 cup (4 to 8 ounces) per plant by hand or by tractor-mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting. Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Mole Crickets - Apply 1 quart per acre. One to two days before planting, broadcast and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Aphids, Diamondback Moths, Imported Cabbageworms, and Dipterous Leafminers - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, up to 5 times with a minimum of 7 days between applications. Do not apply within 7 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers.

CHINESE BROCCOLI - Aphids, Diamondback Moths, Imported Cabbageworms, and Dipterous Leafminers - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers.

CHINESE CABBAGE (Bok Choy and Napa) - Aphids, Diamondback Moths, Imported Cabbageworms, and Dipterous Leafminers - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers.

CHINESE MUSTARD (Gai Choy) - Aphids, Diamondback Moths, Imported Cabbageworms, and Dipterous Leafminers - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers.

CHINESE RADISH [Japanese Radish or Daikon (FL and CA Only)] - Aphids, Diamondback Moths, Imported Cabbageworms, and Dipterous Leafminers - Apply 1 pint per acre. Mix in a minimum of 100 gallons of water per acre and apply as a foliar spray as pests occur. Repeat application, as necessary, every 14 days. Do not make more than 3 applications per season. Do not apply within 10 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers.

COLLARDS - For Soil Insects See Soil Incorporation Note - Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Mole Crickets - Apply 1 quart per acre. One to two days before planting, broadcast and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Aphids, Diamondback Moths, Imported Cabbageworms, Harlequin Bugs, and Corn Earworms - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest, or illegal residues may occur.

ENDIVE (Escarole) - For Soil Insects See Soil Incorporation Note - Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Mole Crickets - Apply 1 quart per acre. One to two days

before planting, broadcast and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Aphids and Dipterous Leafminers - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate-resistant leafminers.

GINSENG - Leafhoppers, Aphids, Lygus Bugs, Flea Beetles, and Jumping Plant Lice - Apply 3/4 to 1 pint per acre. Spray when insects first appear. For heavy insect infestations, use 1 pint per acre. Apply by ground equipment using 10 to 100 gallons of water per acre. Do not apply more than one application per growing season. Do not apply during flowering of 3 or 4 year old crops. Do not apply within 30 days of harvest. Do not graze treated areas or feed treated forage to livestock.

KALE - For Soil Insects See Soil Incorporation Note - Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Mole Crickets - Apply 1 quart per acre. One to two days before planting, broadcast and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Aphids, Diamondback Moths, Imported Cabbageworms, Harlequin Bugs, and Corn Earworms - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest, or illegal residues may occur.

LETTUCE - For Soil Insects See Soil Incorporation Note - Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Mole Crickets - Apply 1 quart per acre. One to two days before planting, broadcast and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Aphids and Dipterous Leafminers - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate-resistant leafminers.

MELONS (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians, and Hybrids of these) AND WATERMELONS - For Soil Insects See Soil Incorporation Note - Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Aphids, Dipterous Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, and Spider Mites - Apply 1/2 to 1 1/2 pints per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 3 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers.

MUSTARD - For Soil Insects See Soil Incorporation Note - Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Mole Crickets - Apply 1 quart per acre. One to two days before planting, broadcast and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Aphids, Dipterous Leafminers, Diamondback Moths, and Imported Cabbageworms - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers.

ONIONS (Bulb and Green) - For Soil Insects See Soil Incorporation Note - Onion Maggots - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Note: Diazinon will not control organophosphate-resistant onion maggots. Onion Thrips - Apply 1 pint per acre. Apply as thrips appear. Repeat application, as necessary, every 7 days. Do not make more than 3 applications per season. Do not apply within 14 days of harvest, or illegal residues may occur. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil.

RADISHES - For Soil Insects See Soil Incorporation Note - Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Mole Crickets - Apply 1 quart per acre. One to two days before planting, broadcast and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Aphids, Flea Beetles, and Dipterous Leafminers - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 3 applications per season. Do not apply within 14 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers.

SPINACH - For Soil Insects See Soil Incorporation Note - Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Aphids and Dipterous Leafminers - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate-resistant leafminers.

SWEET CORN - For Soil Insects See Soil Incorporation Note - Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Seed Corn Muggots - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the top 2 inches of soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast before planting and immediately incorporate into the soil. Corn Earworms - Apply 1 to 1 1/4 quarts per acre. Apply when silks first appear. Repeat application every 7 days if necessary. Do not make more than 5 applications per season. Corn Rootworm (Adults) - Apply 1/2 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Corn Leaf Aphids - Apply 1 to 2 pints per acre. Apply in sufficient water to provide complete coverage to the upper portions of the plants. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Grasshoppers, Spider Mites, and Flea Beetles - Apply 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Sap Beetles - Apply 2 to 2 1/2 pints per acre. Consult local agricultural authorities for proper timing of sprays. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season.

Notes: (1) To protect bees, do not apply foliarly to corn during the pollen shed period. (2) Allow 7 days after the last application before grazing or cutting for forage. Forage may be fed to beef and dairy cattle and sheep. (3) Corn may be picked 7 days after the last application.

TOMATOES - For Soil Insects See Soil Incorporation Note - Cutworms - Apply 2 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Mole Crickets - Apply 1 quart per acre. One to two days before planting, broadcast and immediately incorporate into the soil. Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting and immediately incorporate into the soil. Aphids and Dipterous Leafminers - Apply 1/2 pint per acre. Apply as insects appear. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within one day of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms, and Beet Armyworms - Apply 3/4 to 1 pint per acre. Apply as insects appear. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 1 day of harvest, or illegal residues may occur. Vinegar Flies (*Drosophila* spp.) - Apply 1/2 to 1 1/2 pints per acre. Apply as insects first appear. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 1 day of harvest, or illegal residues may occur.

FIELD CROPS

Soil and foliar applications of Diazinon 4EC (AG) should always be applied as a spray in sufficient water to ensure thorough coverage. For foliar applications, observe stated time intervals between last application and harvest, as well as intervals between applications and total number of applications that can be made per season.

PRE-HARVEST INTERVAL (PHI*) FOR FOLIAR APPLICATIONS

CROP	PHI* (Days)	REI**
Hops	14	24 Hours
Sugar Beets	14	24 Hours

*PHI = Pre-harvest Interval or the number of days to wait between the last application and harvest.

**REI = Restricted-Entry Interval

HOPS - Aphids and Spider Mites - Apply 1 quart per acre. Apply as pests occur. Repeat application, as necessary, every 14 days. Do not make more than 4 applications per season. Do not apply within 14 days of harvest.

SUGAR BEETS - Wireworms - Apply 3 to 4 quarts per acre. Broadcast just before planting. Incorporate into soil 4 to 6 inches. Do not apply more than 4 quarts of this product to the soil, per season. **Beet Leafhoppers, Dipterous Leafminers, and Aphids** - Apply 3/4 to 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate-resistant leafminers. **Grasshoppers** - Apply 1 pint per acre. Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest.

Note: Tops may be fed to beef and dairy animals.

INSECT CONTROL ON ORNAMENTALS GROWN OUTDOORS IN NURSERIES

To control certain insects on Arborvitae, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Douglas Fir, Elm, Gladioli, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Rose, Spruce, and Willow, apply the following recommended rates. Try to spray underside of leaves and penetrate dense foliage. Repeat as necessary.

Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dipterous Leafminers, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leaf-tiers, Privet Mites, Scale Crawlers (Cottony-cushion, Lecanium, Pine Needle, San Jose, Soft), Thrips, Two-Spotted Spider Mites, Juniper Webworms, and Whiteflies - Mix 1/2 fluid ounce in 3 gallons of water (or 1 pint in 100 gallons of water). REI 12 hours.

Apple-and-Thorn Skeletonizers, Cotoneaster Webworms, Fall Webworms, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, and Tent Caterpillars - Mix 1 1/2 fluid ounces in 3 gallons of water (or 3 pints in 100 gallons of water). REI 12 hours.

*1 Fl. Oz. = 2 Tablespoons

**16 Fl. Oz. = 1 Pint

Precaution: Do not use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and Gardenia, since injury to the plants may occur.

Mimosa Webworms - Mix 1/2 fluid ounce in 3 gallons of water (or 1 pint in 100 gallons of water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4 to 5 week intervals.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. If pesticide, spray mixture, or rinsate cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty, including any other express or implied warranty of **Fitness** or of **Merchantability**, and no agent of Seller is authorized to do so except in writing with a specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.