

(M)

Insects	Amount of (M) to Use	
	Rate per 3 gals. of water	Rate per 100 gals. of water
Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cynipid Mites, Dappled Leafminers, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Oblique Root Weevils, Omnivorous Leafhoppers, Pawpaw Mites, Scale Crawlers (Cottonywood), Raspberry Wine Weevil, Saw Gnat, Scale, Sawflies, Two-spotted Spruce Mites, Carnegie Webworms, Whiteflies	1/2 fl. oz.*	1 pt.**
Apple and Thorn Aphidid, Pear Carnation Webworms, Holly Weevils, Hickory Sawflies, Oak Looper, Omnivorous Leaf hoppers, Pear Rings, Pawpaw Caterpillars	1 1/2 fl. oz.*	3 pts.**

* 1 fl. oz. = 2 tablespoons

** 1 pt. = 1 pint

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

Minosa Webworms: Mix 1/2 fl. oz. in 3 gals. of water (or 1 pt. in 100 gals. of water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

Note: (M) stands for the words "R. Maldonado & Co., Inc. Diazinon AG500".

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Lawn Pest Control (Excluding Golf Courses and Sod Farms)

Precautions: Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds, especially waterfowl. Avoid overlapping of sprays. If waterfowl, i.e., ducks or geese, can be expected to enter the treated area after treatment (except spot treatments), water lawn with at least 1/4 inch water immediately after application, however stop watering before puddling occurs.

To control pests listed below, apply recommended rates.

Note: (M) stands for the words "R. Maldonado & Co., Inc. Diazinon AG500".

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(M)

Insect	Rate/1,000 sq. ft.		Remarks
	(M)	Water	
Leafy Chick bugs	2-3 fl. ozs.	3 gals.	Use higher rate for rougher vegetation. Control in lawns or pasture etc. Apply to larvae.
Ants, Armyworms, Beetlegrass Mites, Cloyer Mites, Cotton Mites (Cottonworms), Crickets, Cuckoo, Cutworms, Duckweed Weevils, Earwig, Fireflies, Flycatchers, Flycatchers, Flycatchers (Caterpillars), Grasshoppers (Bill Worms).	2-3 fl. ozs.	3 gals.	Spot spray and hills and wash ground nest openings. For fireflies, use water and wash well. Use in vegetable and fruit plantations with water to dry. For duckweed weevils, apply at dusk when weevils are not active. For flycatcher control: Apply when activity is highest observed or when traces of these insects is present, particularly during hot days. Resist.
Brown Dog ticks, Crickets, Beetles	3 fl. ozs.	3 gals.	NOTE: Do not apply to animals. For brown dog ticks, spray grass and under scrubbery, particularly near house.

added

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(M)

Pest	Rate/1,000 sq. ft.		Remarks
	(M)	Water	
Hyperodes Weevils	3 fl. ozs.	3 gals.	Treat problem areas in mid-April and again in mid-May.
Meloides	3 fl. ozs.	3 gals.	
Prodenia Spines	3 fl. ozs.	3 gals.	Apply when crawlers first emerge.
White Grubs (such as Japanese Weevil, Larvae, Billworm, Crickets, Soldiers, Grasshoppers)	3 fl. ozs.	3 gals.	Apply any time between late July and early October.

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Nuisance Pests in Outside Areas

Ants, Boxelder Bugs, Brown Dog Bites, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (pillbugs), Spiders, Springtails (Collembola).

Mix 2 pt. oz. in 3 parts of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls, entranceways, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide. To prevent entry of insects into houses, spray a five foot band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 ft. Repeat application as necessary. Do not apply to animals. Do not treat plants (other than tree trunks) at this nuisance pest rate.

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Storage and Disposal

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

Pesticide:

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or residue is a violation of Federal law. If pesticide, spray mixture or residue cannot be disposed of by the manufacturer's label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container:

Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or incinerate, or burn, if allowed by state and local authorities. Stay out of smoke from burning containers.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-3372 day or night.

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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 table spoons 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.

Statement of Specific Treatment

This product is an organophosphate.

If swallowed, call a physician or Poison Control Center immediately. DO NOT induce vomiting. Vomiting may cause aspiration pneumonia. Do not give anything by mouth if person is unconscious or convulsing.

If inhaled, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If on skin, wash thoroughly with soap and water. Rinse thoroughly. Get medical attention.

If in eyes, rinse eyes with plenty of water. Call a physician if irritation persists.

Note to Physicians: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PPM is also antidotal and may be administered, but only in conjunction with atropine. This product contains a xylene range aromatic solvent which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.

General Protective Equipment

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category 7 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.

Wash + contaminated clothing + child statement ->

statements omitted

OP statement added

PPE statement added

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statements added

- a. long-sleeved shirts and long pants
- b. clean, new, non-cotton gloves such as butyl rubber laminate, heavy rubber 14 mils, nitrile rubber 14 mils, or vinyl 14 mils.
- c. shoes with socks

- Keep a supply of decontaminants on hand:
- Caustic soda:
- Wear pants before eating, drinking, smoking, or using tobacco or using the toilet.
 - Remove clothing immediately if you feel a gas leak. Wash your thoroughly with hot or cold running water.

Use proper disposal techniques:

When in doubt, use closed systems, enclosed cabs, or airlocks as a means of eliminating the hazard. Do not use the workers' decontamination station (WDS) for equipment or gear. Do not use the WDS for equipment or gear that has been used in the vicinity of a spill.

Use proper disposal techniques:

When in doubt, use closed systems, enclosed cabs, or airlocks as a means of eliminating the hazard. Do not use the workers' decontamination station (WDS) for equipment or gear. Do not use the WDS for equipment or gear that has been used in the vicinity of a spill.

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water lawn with apply

Note: (M) stands for the words "R. Maldonado & Co., Inc. Diazinon AG500".

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.

R. Maldonado & Co., Inc.
Calle Julia Num. 2
Urb. Piñero, Hato Rey, P.R. 00917
Tel: 753-7230

Note: (M) stands for the words "R. Maldonado & Co., Inc. Diazinon AG500".

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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.

(Jug Label for 2 1/2 Gal.)

R. Maldonado & Co., Inc. Diazinon AG 500

Insecticide
Insecticida

For control of certain insects on fruits, nuts, vegetables, field crops, lawns and ornamentals.

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

Active Ingredient:

Diazinon: C, O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate	43.0*
Inert Ingredients*	57.0*
Total:	100.0*

*Contains xylene range aromatic solvent

2 1/2 gals.
U.S. Standard Measure

R. Maldonado & Co., Inc. Diazinon AG 500 contains 4 lbs. diazinon per gal.

KEEP OUT OF REACH OF CHILDREN.

CAUTION/PRECAUCIÓN

See directions for use inside attached booklet.

Precaución Al Usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

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 table spoons 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.

Statement of Practical Treatment

This product is an organophosphate.

If swallowed, call a physician or Poison Control Center immediately. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia. Do not give anything by mouth if person is unconscious or convulsing.

If inhaled, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If on skin, wash promptly with soap and water. Rinse thoroughly. Get medical attention.

If in eyes, rinse eyes with plenty of water. Call a physician if irritation persists.

Note to Physician: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. This product contains a xylene range aromatic solvent which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.

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.

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Applicators and other handlers must wear:

- a. long-sleeved shirt and long pants
- b. chemical resistant gloves such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, or Viton ≥ 14 mils.
- c. shoes plus socks

Wear 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.

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 (d) (4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

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. Because of the migratory habits of Atlantic Coast waterfowl, do not apply this product to lakes 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, especially waterfowl. Avoid overlapping of sprays. In waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), water down with at least 1/4 inch of water immediately after spraying this product, however, stop watering before puddling occurs. 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.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

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Chemigation

Refer to supplemental labeling in attached booklet for chemigation use directions for cranberries. Do not apply this product to cranberries through any type of irrigation system unless the specific directions for chemigation are followed.

Do not apply this product to any other crop or site through any type of irrigation system.

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AND
DISPOSAL
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EPA Reg. No. 30950-2

EPA Est. 30950-PR-1

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Ms. Geraldine W. Werdig
 Agent for Maldonado & Co., Inc.
 Stewart Pesticide Registration Associates, Inc.
 Suite 603
 2001 Jefferson Davis Highway
 Arlington, VA 22202

Dear Ms. Werdig:

Subject: Amendment- Revise per Diazinon Registration Standard
 Diazinon AG 500
 EPA Registration No. 30950-2
 Your Letter Dated February 2, 1994

This amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable, provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Under AGRICULTURAL USE REQUIREMENTS change "coverall" to read "long-sleeved shirt and long pants".

b. Please remove the pineapple use from the label. This crop is not supported for this formulation.

c. For Sweet Corn return the statement "Forage may be fed to beef and dairy cattle and sheep" to its original location in the "Note:".

d. Please reinsert the Storage and Disposal Statement on your label.

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CONCURRENCES

SYMBOL	H2505C							
SURNAME	RJO							
DATE	2/11/94							

3. Submit three (3) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

NEW DRAFT (WPS)

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.

(Booklet for 2 1/2 Gallon Container)

R. Maldonado & Co., Inc. Diazinon AG500

INSECTICIDE
INSECTICIDA

For control of certain insects on
fruits, nuts, vegetables, field
crops, lawns and ornamentals.

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

ACCEPTED
with COMMENTS
in EPA Letter Dated

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

30950-2

Active Ingredients:

Diazinon: C,C-Diethyl C-(2-isopropyl-6-	
methyl-pyrimidinyl) phosphorothioate	42.0%
Other Ingredients:	58.0%
Total:	100.0%

*Contains xylene range aromatic solvent.

(M) contains 4 lbs. diazinon per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements and directions for use
inside booklet..

Note: (M) stands for the words "R. Maldonado & Co., Inc. Diazinon AG500".

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EPA Reg. No. 30950-2
EPA Est. 30950-PR-1

R. Maldonado & Co., Inc.
Calle Julia Num. 2
Urb. Piñero, Hato Rey, P.R. 00917
Tel: 753-7230

2 1/2 gals.
U.S. Standard Measure

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DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of (M) or the Seller. All such risks shall be assumed by the Buyer.

(M) warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. (M) takes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall (M) or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. (M) and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of (M)

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Note: (M) stands for the words "R. Maldonado & Co., Inc. Diazinon AG500".

or in connection with the warranty, it stands for the name of the company "R. Maldonado & Co., Inc."

General Information

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 on food crops grown in greenhouses. Do not use in barns or dwellings. Do not use on livestock.

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.

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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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~~FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND SPECIFICATIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR OTHER DAMAGE.~~

To avoid spray drift, do not apply under windy conditions. Avoid spray overspray, 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.

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added

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or in connection with the warranty, it stands for the name of the company "R. Maldonado & Co., Inc."

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AGRICULTURAL USE REQUIREMENTS

Use of 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 intervals. 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 used in a manner or for a purpose, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with any treated surfaces that have been created.

Do not permit children or entry into treated areas that is prohibited under the Worker Protection Standard and that is prohibited under other applicable laws that have been created, such as school bus routes, or water, fire, electric, telephone, or gas lines. Do not allow children or pets to go into treated areas until sprays have dried.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The Standard applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not permit children or pets to go onto treated areas until sprays have dried.

All statements on this page added

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Work Safety Rules

AVOID EXPOSURE TO CHEMICALS AND TOXIC SUBSTANCES SUCH AS ARE CONTAINED IN THIS PRODUCT. ALWAYS WEAR PROTECTIVE CLOTHING TO AVOID CONTACT WITH SKIN OR EYES. ALWAYS WASH YOUR HANDS AFTER HANDLING.

Personal
Protective
Equip-
ment
statements
omitted

When handling (M), do not rub eyes or mouth with hands. If you feel sick in any way, stop work and get help right away. See First Aid Treatment section of this label.

Warning: The California Department of Agriculture has set a safety waiting period for application on grapes, peaches, and strawberries. There shall be a 14-day interval between the time of application and the time a worker may enter the field to engage in any activity requiring substantial contact with or ingestion of the crop. When a maximum of two or more applications are required, the waiting period is 28 days. For information, the following information is provided: (1) For grapes, the waiting period is 14 days after the last application. (2) For peaches, the waiting period is 14 days after the last application. (3) For strawberries, the waiting period is 14 days after the last application.

} added

Application

APPLICATION THROUGH AN IRRIGATION SYSTEM (PREMIXED ONLY)

(M) This product may be applied through an irrigation system. The application rate is 0.5 gallons per acre per application. The product should be mixed with water in the tank of the sprayer. The mixture should be applied through the irrigation system. The application rate is 0.5 gallons per acre per application. The product should be mixed with water in the tank of the sprayer. The mixture should be applied through the irrigation system. The application rate is 0.5 gallons per acre per application. The product should be mixed with water in the tank of the sprayer. The mixture should be applied through the irrigation system.

Do not apply this product through any type of irrigation system to other crops. For application, apply this product to strawberries only through sprinkler irrigation systems. Do not apply this product to strawberries through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about distribution, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect the irrigation system used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the irrigation system and responsible

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to the system, or other the supply of the necessary
water, with the system down and make necessary repairs
to the system.

Requirements System Connected to Public Water Systems

1. Public water systems have a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Sanitation systems connected to public water systems must contain a functional, vented, quick-closing check valve (QCV) on the suction side of the pump in the water supply line system from the point of connection to the public water system to the top of the water tank or reservoir. The QCV shall be located in the water supply line between the suction side of the pump and the top of the water tank or reservoir. The QCV shall be a complete QCV and shall be located in the water supply line of the water tank or reservoir. The QCV shall be located in the water supply line of the water tank or reservoir.

Sanitation System

1. The system must contain a functional check valve, a vacuum relief valve, and a pressure relief valve, suitably located on the suction side of the pump to prevent water backflow.
2. The suction side of the pump must contain a functional, vented, quick-closing check valve to prevent the flow of water back toward the suction pump.
3. The suction side of the pump must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the suction pump and connected to the system interlock to prevent backflow from being withdrawn from the supply tank when the sanitation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the suction side of the pump when the water pump motor stops.
5. The suction side of the water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system

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interlock.

- 7. Do not apply when wind speed favors drift beyond the area intended for treatment.

Operating Instructions

1. Determine the acreage to be treated by the sprinkler system.
2. Measure the appropriate amount of (M) needed to treat the acreage to be treated. Refer to the specific directions for use for granules for the application rate and the amount of water per acre.
3. Add the pre-measured (M) to the chemigation system supply tank and dilute with water if needed. Proper agitation is needed in (M) is tank mixed with other pesticides registered for sprinkler chemigation application to strawberries.
4. Start the irrigation system and bring the system up to full pressure, making certain that all sprinkler heads are functioning properly.
5. Engage the chemigation injection or venturi system to add the chemical to the irrigation lines.
6. Continue to run irrigation system for a few minutes after supply tank is empty to allow residual in the irrigation lines to reach the sprinkler heads furthest from the chemigation injection point.

REI
days

Residue and REI

REI - 24 hours

Following table below.

(M) may be applied using ground or aerial application equipment as specified in the table below. This table indicates the maximum amount of water that can be used for the various methods of application. The rate of (M) for aerial spray or conventional spray applied to trees by ground equipment is based on a dilute full cover spray applied with conventional ground equipment at a rate of 300-400 gallons of water per acre. The specific amount of product to be used depends upon the separate directions for use for each crop. In the "Rate" column for 1 pt. of (M) in 100 gallons of water, this amounts to 0.4 pts. of product per acre when applied at the usual dilute ground spray volumes of 300-400 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.

REI =
Restricted
Entry
Interval

Note: (M) stands for the words "R. Maldonado & Co., Inc. Diazinon AG500".

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Crop	Aerial App. Minimum gals./ Acre	Ground App. Minimum gals./Acre	
		Dilute	Concentrate
Almonds*	20	100	20
Apricots	20	100	20
Blackberries**	20	100	20
Boysenberries**	20	100	20
Cherries	20	100	20
Cranberries	20	15	—
Dewberries**	20	100	20
Grapes	20	100	20
Loganberries**	20	100	20
Nectarines	20	100	20
Peaches	20	100	20
Pineapples	20	200	—
Plums	20	100	20
Strawberries	20	100	20
Raspberries**	20	100	20
Strawberries	20	100	20
Walnuts*	20	100	20

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is
new

*CA only.

**CA, CR, or WA only.

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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	Days*
Almonds	**
Apricots	21
Blackberries	7
Boysenberries	7
Cherries	21
Cranberries	7
Dewberries	7
Grapes	28
Loganberries	7
Nectarines	21
Peaches	21
→ Pineapples	7
Pears, Prunes	21
Raspberries	7
Strawberries	8
Walnuts	48

Pine-apples added

*Days = Pre-harvest interval, or the number of days between the last application and harvest, may vary based on use pattern selected - see specific directions for use for grapes.

** = Dormant spray only.

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

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Almonds (CA only)	San Jose Scale, Worm Scale Scale	1-1/2 gals. - 2-3 gals. of kerosene oil or 1-1/2 gals. super- fine type oil in 100 gals. of water	Apply as a dormant spray. Do not apply more than 5 gals. of dilution or 9 gals. of oil per acre.
Apricots	Aphids, Brown Mites (Clover Mites), Unidentified Spider Mites, Orange Scale in Greenhouse, San Jose Scale Carpenter	1 pt. in 100 gals. of water	Apply as infestations occur. Repeat applica- tion after 14 days if necessary.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Apples (Contd)	Olive Scale Crawlers	1/2 pt. - 1/2 gals. of 100 parts of 100 parts of 100 parts of 100 parts	Apply when scale crawlers are present.
	Apple Mealybugs	1 pt. per 100 parts of water	Apply as a cover spray from petal fall to June. Allow 14 days between applications.

1) Do not apply more than 4 gal. of product per acre per
application. 2) Do not apply more than 2 gal. of product per
acre per application. Do not apply more than 2 gal. of product
per acre per application.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Currant- Berries Ch. Curr and R. Curr (Black- berries, Boysen- berries, Dew- berries, Logan- berries, Rasp- berries)	Leaf- hoppers, Aphids, Two-spotted Spider Mites, Raspberry Spine- worms, Raspberry Sawflies,	1 qt. per acre	<p>Apply as insects occur. Repeat applications after 14 days if necessary. Do not make more than 5 applications per season. Do not apply within 7 days of harvest or other pest residues may occur.</p> <p>Apply in a minimum of 100 gals. of water per acre (200 gals. per acre maximum.).</p> <p>For raspberry sawflies make one application when blossoms buds separate. Make a second application immediately before buds come open.</p>
Dry Berry Mites	1-2 qts. per acre	<p>Apply as a dormant spray in the early spring when buds are starting to break and before the buds are closed. Make a second application when buds are well developed but still closed.</p> <p>Apply in a minimum of 100 gals. of water per acre. Do not apply within 7 days of harvest or other pest residues may occur.</p>	
Raspberry Crown Borers, (Raspberry Root Borers)	2 qts. per acre	<p>Apply a single applica- tion in a minimum of 100 gals. of water per acre as a drench to the crown and lower canes in the spring before buds break.</p>	

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cherries	Eyespotted Bud Moths, Fruit Tree Leaf- rollers	1 qt. in 100 gals. of water	Apply in cover sprays as infestations occur begin- ning at petal fall. Repeat application after 7 days if necessary.
	Leafhoppers	1 qt. in 100 gals. of water	Make 3-4 applications beginning at petal fall, and continuing through the growing season as infestations occur. Repeat 7 days between applications.
	Cherry Aphididae	1/2 qt. in 100 gals. of water	Make 3-4 applications beginning at petal fall and continuing through the growing season as infestations occur. Repeat 10 days between applications.
	Black Cherry Aphids	1 qt. in 100 gals.	Apply as a cover spray when aphids appear. Repeat application after 10 days if necessary.

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CRUC	DISEASE	RATE	APPLYING / SPECIAL DIRECTIONS
Cherries (Sweet)	Saw Tooth Scale Crawlers	1/2 - 1 qt. of water	Apply during the green leaf stage or when crawlers first appear.
	Cherry Rust Mites	1/2 - 1 qt. of water	Apply to trees as a supplemental spray after harvest.

Note: 1) Do not make more than 3 applications per season.
 2) Do not apply more than 4 qt. of product per acre per
 application and no more than 12 qt. of product per acre per
 season. 3) Allow a minimum of 21 days between the last applica-
 tion and harvest.

Cran- berries	Blacklegged Aphidius (Aphidius spp.)	2 qt. of water	Apply when green aphids first appear. Repeat application if necessary. Maximum of 4 applications per season is permitted. Do not apply within 7 days of harvest or after harvesting has begun.
	Cranberry Aphidius	2 qt. of water	Apply when green aphids first appear. Repeat application if necessary. Maximum of 4 applications per season is permitted. Do not apply within 7 days of harvest or after harvesting has begun.

Note: This product may be applied to cranberries through
 sprinkler irrigation. Refer to the section "Irrigation" for
 specific application directions for use.

Chemigation
Addition

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CROP	PLANT	RATE	TIMING/SPECIAL DIRECTIONS
GRAPES	Raisins Seedling Kishon, Leaf Rodgers, George Berry Kishon, George Leaf- Rodgers, Quince Leaf Rodgers, Seedling Kishon	1.25 lbs. per acre or 100 gals. of water	Apply as pest occurs as a thorough cover spray. Repeat application after 7 days if necessary.
	Raisins Seedling	0.50 lbs. per acre or 100 gals. of water (100) or 100 gals. of water	Apply as pest occurs as a thorough cover spray. Repeat application after 7 days if necessary.

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 Apply as pest occurs as a thorough cover spray. Repeat application after 7 days if necessary.

Seedling Kishon	Raisins Seedling Kishon	1.00 lbs. per acre or 100 gals. of water	Apply at 100% percent. Make 2 additional applica- tions at 10-day intervals. Make the last application to peak white flight.
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CROP	RATE	THINNING/SPECIAL DIRECTIONS
Beetroot (Carrot)	1 qt. in 100 gals. of water	Apply as infestations occur. Repeat applica- tion after 14 days if necessary.

Note: 1) Do not apply more than 4 qt. of product per acre
 per season. Do not apply more than 12 qt. per acre per season.
 2) Allow a minimum of 21 days between the last application and
 harvest.

Beetroot (Carrot)	1 qt. in 100 gals. of water	Apply as infestations occur. Repeat applica- tion after 14 days if necessary.
Oriental Peas (Mung)	1 qt. in 100 gals. of water	Apply at 100% petal fall. Make 2 additional applica- tions at 10-14 day intervals. Make the last application 20 days before harvest.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
PEACHES (COTTAGE)	Leafhoppers	1 qt. in 100 gals. of water	Apply as insects occur in May and June. Allow 7 days between applications.
	Leafhoppers	1 qt. in 100 gals. of water	Make 3-4 applications beginning at petal fall and continuing through the growing season. Allow at least 7 days between applications.
	White Peach Scale	1 1/2- 2 qts. in 100 gals. of water	Apply post-harvest timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestation 2 or 3 applications (7 days apart) may be needed to get fully effective. Do not apply to fruit.

Note: 1) Do not apply more than 4 qts. of product per acre per application and do not apply more than 12 qts. of product per acre per season. 2) Allow a minimum of 7 days between the last application and harvest.

PEACHES (COTTAGE)	White Peach Scale	2 qts. per acre in 200-500 gals. of water	Apply applications as necessary every 20 days up to a maximum of 3 applications. Do not apply within 7 days of harvest or irrigation water does not occur. Spray storage and refuse may not be fed to livestock.
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PESTS	PESTS	PESTS	RECOMMENDED APPLICATION INSTRUCTIONS
Mites	Brown Mites (Clover Mites), European Red Mites	1 qt. in 100 gals. of water	Apply as needed every 7 days.
	Leafhopper Mites, Aphids, Mealy Bug Mites, Spider Mites	1/2 qt. in 100 gals. of water	

Note: 1) Do not apply more than 4 qts. of product per acre per application and no more than 12 qts. of product per acre per season. 2) Allow a minimum of 21 days between the last application and harvest.

Mites	Brown Mites (Clover Mites), European Red Mites	1 qt. in 100 gals. of water	Apply as needed every 7 days.
	Leafhopper Mites, Aphids, Mealy Bug Mites, Spider Mites	1/2 qt. in 100 gals. of water	

Note: 1) Do not apply more than 4 qts. of product per acre per application and no more than 12 qts. of product per acre per season. 2) Allow a minimum of 21 days between the last application and harvest.

Spider Mites	Aphids, Two-spotted Spider Mites	1 qt. in 100 gals. of water per acre	Apply as pests occur. Repeat application is necessary every 7 days, but do not make more than 3 applications per sea- son. Do not apply within 5 days of harvest or illegal residues may occur.
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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Strawberries (Control)	Cyclamen Mites	100 gal. of water per acre	Direct spray to the plants. Do not apply with water. Do not apply after harvest. Do not apply if there is a heavy covering of snow. Do not apply if the temperature is below 40 degrees F. Do not apply if there is a heavy covering of snow. Do not apply if there is a heavy covering of snow. Do not apply if there is a heavy covering of snow.
	Mole Crickets	1 qt. per acre	Apply in sufficient water to obtain even coverage. Do not apply if there is a heavy covering of snow. Do not apply if there is a heavy covering of snow. Do not apply if there is a heavy covering of snow.
	Strawberry Leaf- hoppers	3/4-1 pt. in 100 gal. of water	Apply 200 gal. of water per acre. Do not apply if there is a heavy covering of snow. Do not apply if there is a heavy covering of snow. Do not apply if there is a heavy covering of snow.
Walnuts (CA only)	Aphids, Spiders, Mites	1 qt. per acre	Apply as a foliar spray. Repeat application in 14 days if necessary. Do not make more than 3 applications per season. Do not apply within 45 days of harvest or after bins open or illegal residues may occur. Make ground applications in a maximum of 100 gal. of water per acre.
	Codling Moths, Scale Crawlers, Walnut Cater- pillars	3 qts. per acre	Apply as a foliar spray. Repeat application in 14 days if necessary. Do not make more than 3 applications per season. Do not apply within 45 days of harvest or after bins open or illegal residues may occur. Make ground applications in a maximum of 100 gal. of water per acre.

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REI added →

Available Crops

REI - 24 hours

For better or soil applications, (M) should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil. (M) may be applied using ground or aerial application equipment as specified in the following table. This table indicates the 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.

underline added →

Crop	Ground Appl.		Aerial Appl.
	Min. Gals. /Acre	Max. Gals. /1,000 Sq. Ft.	Min. Gals. /Acre
Apple (Table)	10	2	5
Banana	10	2	5
Orange	10	2	5
Pineapple	10	2	5
Watermelon	10	2	5
Cantaloupe	10	2	5
Strawberry	10	2	5
Blueberry	10	2	5
Raspberry	10	2	5
Blackberry	10	2	5
Cherry	10	2	5
Peach	10	2	5
Pistachio	10	2	5
Walnut	10	2	5
Almond	10	2	5
Prune	10	2	5
Plum	10	2	5
Apricot	10	2	5
Quince	10	2	5
Fig	10	2	5
Loquat	10	2	5
Avocado	10	2	5
Guava	10	2	5
Jackfruit	10	2	5
Mango	10	2	5
Papaya	10	2	5
Pineapple	10	2	5
Watermelon	10	2	5
Cantaloupe	10	2	5
Strawberry	10	2	5
Blueberry	10	2	5
Raspberry	10	2	5
Blackberry	10	2	5
Cherry	10	2	5
Peach	10	2	5
Pistachio	10	2	5
Walnut	10	2	5
Almond	10	2	5
Prune	10	2	5
Plum	10	2	5
Apricot	10	2	5
Quince	10	2	5
Fig	10	2	5
Loquat	10	2	5
Avocado	10	2	5
Guava	10	2	5
Jackfruit	10	2	5
Mango	10	2	5
Papaya	10	2	5

(Cont'd)

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/Cont'd

Crop	Ground Appl.		Aerial Appl.
	Min. Gals. /Acres	OR Min. Gals. /1,000 Sq. Ft.	Min. Gals. /Acres
Squash, Summer	5	1	1
Squash, Winter	5	1	1
Sweet Corn	2	4	1
Sweet Potatoes	2	2	1
Wax Beans	2	2	1
Yucca	2	2	1
Watermelons	5	1	1

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

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Note: 1) Soil Application: Following application of this product to control vegetable soil insects, immediately incorporate the product into the soil to the recommended depth (see MIXING/SPREADING DIRECTIONS) using a rotary hoe, cultivator, disk, harrow, or other suitable means. For control of surface cutworms, incorporate 2-3 inches, for subterranean cutworms incorporate 5-6 inches. 2) In System Uses: Foliar applications of this product should not be made to peas or beans if these crops or weeds in the treatment area are in bloom, or to corn during the pollen shed period.

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Crop	Pest	Rate	Timing/Special Directions
Beans (Lima, Pole and Snap) (Success- ion crop)	Cutworms	2-4 qts. per acre	Apply in early morning throughout the entire row. (See Soil Fertility Section Note.)
	Wireworms	3-4 qts. per acre	Apply in early morning throughout the entire row. (See Soil Fertility Section Note.)
Black Beans Moths, Mexican beet worms, C. nigrifrons, L. lineator		1-1 1/2 qts. per acre	Apply in early morning throughout the entire row. (See Soil Fertility Section Note.)
	Cucumber beetles	3/4 qts. per acre	Apply in early morning throughout the entire row. (See Soil Fertility Section Note.) Make cucumber beetle application in 100 qts. of water per acre. NOTE: 1) Division will not control cucumber beetle larvae. 2) The most bees, do not apply material in the early weeks in the treatment area are in bloom.

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Crop	Pest	Rate	Timing Special Directions
Seeds, lima (mature seed only)	Leaf- miners, Stink bugs	1 qt. per acre	<p>Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 3 applications per season.</p> <p>Do not apply within 7 days of harvest or other residues may occur.</p> <p>Best time to apply is before the crop is planted. Do not apply within 4 days of planting. Do not apply within 14 days of harvest.</p> <p>NOTE: 1) Do not apply to young trees, do not apply to young trees, the application of seeds in the treatment area will be in vain.</p>
Seeds, bean (lime)	Cutworms	2-4 qt. per acre	<p>Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 3 applications per season.</p>
	Mole Crickets	1 qt. per acre	<p>Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 3 applications per season.</p>
	Wireworms	3-4 qt. per acre	<p>Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 3 applications per season.</p>
	Dipterous Leafminers	1/2-1 qt. per acre	<p>Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 3 applications per season.</p> <p>Do not apply within 14 days of harvest or other residues may occur.</p> <p>NOTE: Dipteron will not control dipterous leafminers.</p>

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Crop	Pest	Rate	Timing/Special Directions
Broccoli	Root Maggot	2-3 qts. per acre	Apply to plant beds or rows 1-2 days before sowing of seed or planting and immediately incorporate into the top 1-2 inches of soil.
		4-8 qts. per 50 qts. of material	Apply to plant beds or rows 1-2 days before sowing of seed or planting and immediately incorporate into the top 1-2 inches of soil. NOTE: This material is highly toxic to fish and aquatic insects. Do not use in or near water.
Cucumbers	Cucumbers	2-3 qts. per acre	Apply to plant beds or rows 1-2 days before sowing of seed or planting and immediately incorporate into the top 1-2 inches of soil. (See other instructions on label.)
Mole Crickets	Mole Crickets	1 qt. per acre	Apply to plant beds or rows 1-2 days before sowing of seed or planting and immediately incorporate into the top 1-2 inches of soil.

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Crop	Pest	Rate	Timing/Remarks/Directions
Broccoli (Cauli)	Wireworms	5-6 qts. per acre	Apply 5-6 qts. per acre before planting. If necessary, apply again 4-6 weeks after planting.
	Aphids, Diamondback Moths, Imported Cabbage Worms, Dipterous Leafminers	1/2-1 qt. per acre	Apply as insects come. Repeat application, as necessary, every 7 days. Do not make more than 4 applications per season. Do not apply within 7 days of harvest or fruit- ing. Insects may occur. NOTE: Application will not control diamondback moth larvae or pupae.
Cauliflower	Root knots	2-3 qts. per acre	Apply 2-3 qts. per acre before planting. Do not use more than 3 qts. per acre. Do not apply more than once per season.
		4 to 5 qt. per acre	Apply 4 to 5 qt. per acre before planting. Do not use more than 5 qt. per acre. Apply 1/2-1 qt. (4 to 5 qt.) per acre by hand or by sprayer. Do not apply more than once per season. Do not apply more than once per season. Do not apply more than once per season. NOTE: This product will control root knot disease but does not control other diseases or insects.

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Crop	Pest	Rate	Timing/General Directions
Insects (Control)	Caterpillars	2-4 qt. per acre	Apply as caterpillars are present. Repeat applications as necessary. Do not apply to plants under stress. (See soil moisture chart.)
	Mole crickets	1 qt. per acre	Apply to plants 2-3 days before emergence of moles. Repeat applications as necessary. Do not apply to plants under stress.
	Weevils	2-4 qt. per acre	Apply as weevils are present. Repeat applications as necessary. Do not apply to plants under stress.
	Aphids, Diamondback Moths, Imported Cabbageworms, etc.	1/2-1 qt. per acre	Apply as insects occur. Repeat applications, as necessary, every 7 days. Do not apply to plants under stress. Do not apply to plants under stress. Do not apply to plants under stress.

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Crop	Pest	Rate	Timing, Special Directions
Cabbage	Root Maggots	2-3 lbs. per acre	Apply to plant beds or fields just before sowing of seed or transplanting and immediately working rate into the top 2-4 inches of soil.
		4-5 lbs. in 50 gals. of water	In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply 1/2-1 cup (4 to 8 lbs.) per plant by hand or by tractor-mounted spray equipment when 500-1000 gals. of water are used at the time of the plant. NOTE: Transplant water concentrations may result in plant damage if rate of application is high or transplanting.

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Crop	Pest	Rate	Timing / Special Directions
Cabbage (Contd.)	Cutworms	2-4 qts. per acre	Broadcast just before sowing and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	1 qt. per acre	Apply to plant beds or rows 1-2 days before sowing or seed or transplanting and immediately incorporate into the soil 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before sowing and immediately incorporate into the soil to a depth of 2 inches.
	Aphids, Diamondback Moths, Imported Cabbageroots, Flea Beetles, Cutworms, Caterpillars	1/2-1 qt. per acre	Apply as insects come. Repeat application, as necessary, every 7 days, to not take more than 4 applications per season. Do not apply within 21 days of harvest or 14 days before seedling. NOTE: Do not use on plants with sensitive roots. Do not use on plants with sensitive roots.
Carrots	Cutworms	2-4 qts. per acre	Broadcast just before sowing and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	1 qt. per acre	Apply to plant beds or rows 1-2 days before sowing or seed or transplanting and immediately incorporate into the soil 1-2 inches of soil.

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Crop	Pest	Rate	Timing, Special Directions
Custards (Control)	Nematodes	2-4 lbs. per acre	Apply to soil in rows of plants at the time of planting. Do not use in rows of plants which are to be covered with mulch.
	Aphids	1 qt. per acre	Apply as insects occur. Repeat applications, as necessary, every 7 days. Do not make more than one application per season. Do not apply if there is any rain or heavy dew within 24 hours of application.
Custards (Control)	Root Maggot	2-3 lbs. per acre	Apply to soil in rows of plants at the time of planting. Do not use in rows of plants which are to be covered with mulch. Do not apply if there is any rain or heavy dew within 24 hours of application.
		4-6 lbs. per acre	Apply to soil in rows of plants at the time of planting. Do not use in rows of plants which are to be covered with mulch. Do not apply if there is any rain or heavy dew within 24 hours of application. NOTE: This material is water soluble and may be used in water sprays for control of insects on the foliage of plants.

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Crop	Pest	Rate	Timing/Supplier Directions
Cattle Hoyer (Cont'd)	Cutworms	2-4 qts. per acre	Broadcast prior to planting and immediately incorporate into the soil. (See Soil Incorpo- ration Note.)
	Moist Crickets	1 qt. per acre	Apply to plant beds or rows 1-2 days before sowing of seed or trans- planting and immediately incorporate into the soil 1-2 inches of soil.
	Wireworms	2-4 qts. per acre	Broadcast prior to planting and immediately incorporate into the soil 1-2 inches of soil.
Cattle Hoyer	Aphids, Diamondback Moths, Imported Cabbage- worms, Cutworms, Lettuce miners	1/2-1 qt. per acre	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 4 applications per season. Do not apply within 10 days of harvest or other harvesting operations. NOTE: Application will not control imported cabbageworm- resistant cabbageworms.
	Cattle Hoyer	Aphids, Diamondback Moths, Imported Cabbage- worms, Cutworms, Lettuce miners	1/2-1 qt. per acre

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Crop	Pest	Rate	Timing/Special Directions
Chinese Cabbage (Bok Choy and Napa)	Aphids, Diamondback Moths, Imported Cabbageroots, Dipterous Leafminers	1/2-1 qt. 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 10 days of harvest or other pest residues may occur. NOTE: Diazinon will not control diamondback-resistant leafminers.
Chinese Mustard (Bai Choy)	Aphids, Diamondback Moths, Imported Cabbageroots, Dipterous Leafminers	1/2-1 qt. 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 10 days of harvest or other pest residues may occur. NOTE: Diazinon will not control diamondback-resistant leafminers.
Chinese Radish (Japanese Radish or Daikon) (H and G only)	Aphids, Diamondback Moths, Imported Cabbageroots, Dipterous Leafminers	1 qt. per acre	Mix in a minimum of 100 gal. of water per acre and apply as a foliar spray as pests occur. Repeat application as necessary, every 7 days. Do not make more than 3 applications per season. Do not apply within 10 days of harvest or other pest residues may occur. NOTE: Diazinon will not control diamondback-resistant leafminers.

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Crop	Pest	Rate	Timing/Special Directions
Collards	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	1 qt. per acre	Apply to plant beds or rows 1-2 days before sowing of seed or after planting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-6 inches of soil.
	Applite, Diamondback Moths, Imported Cabbageworms, Harlequin Bugs, Cottontails Earworms	1/2-1 qt. per acre	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 6 applications per season. Do not apply within 10 days of harvest of other vegetables may occur.
Cauliflower	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-6 inches of soil.

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Group	Pests	Rate	Timing, Special Directions
Cricket (Cont)	Aphids, Sawflies, Leafhoppers, Grasshoppers, Crickets, Beetles, Moths	1 qt. 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 fruit set residues may occur. NOTE: Diazinon will not control cigarette beetles or resistant leafhoppers.
Cricket (Cont)	Crickets	2-4 qt. per acre	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. (See also label of product.)
Cricket (Cont)	Mole Crickets	1 qt. 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.
Cricket (Cont)	Wireworms	2-4 qt. 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.
Cricket (Cont)	Aphids, Sawflies, Leafhoppers	1/2-1 qt. 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 cigarette beetles or resistant leafhoppers.

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Crop	Pests	Rate	Timing/Special Directions
Cassava	Leafhoppers, Aphids, Cicadas bugs, Beetles, Caterpillars, Grasshoppers	2/4-1 qt. per acre	Apply when insects first appear. Do not apply after 10:00 AM. Do not apply after 5:00 PM. Do not apply to wet foliage. Do not apply to plants that are stressed. Do not apply to plants that are in flower. Do not apply to plants that are in fruit. Do not apply to plants that are in seed. Do not apply to plants that are in root. Do not apply to plants that are in stem. Do not apply to plants that are in leaf. Do not apply to plants that are in branch. Do not apply to plants that are in trunk. Do not apply to plants that are in rootstock.
Rice	Cutworms	2-4 qts. per acre	Apply when insects first appear. Do not apply after 10:00 AM. Do not apply after 5:00 PM. Do not apply to wet foliage. Do not apply to plants that are stressed. Do not apply to plants that are in flower. Do not apply to plants that are in fruit. Do not apply to plants that are in seed. Do not apply to plants that are in root. Do not apply to plants that are in stem. Do not apply to plants that are in leaf. Do not apply to plants that are in branch. Do not apply to plants that are in trunk. Do not apply to plants that are in rootstock.
	Mole Crickets	1 qt. per acre	Apply when insects first appear. Do not apply after 10:00 AM. Do not apply after 5:00 PM. Do not apply to wet foliage. Do not apply to plants that are stressed. Do not apply to plants that are in flower. Do not apply to plants that are in fruit. Do not apply to plants that are in seed. Do not apply to plants that are in root. Do not apply to plants that are in stem. Do not apply to plants that are in leaf. Do not apply to plants that are in branch. Do not apply to plants that are in trunk. Do not apply to plants that are in rootstock.
	Wireworms	3-4 qts. per acre	Broadcast just before planting. Do not apply after 10:00 AM. Do not apply after 5:00 PM. Do not apply to wet foliage. Do not apply to plants that are stressed. Do not apply to plants that are in flower. Do not apply to plants that are in fruit. Do not apply to plants that are in seed. Do not apply to plants that are in root. Do not apply to plants that are in stem. Do not apply to plants that are in leaf. Do not apply to plants that are in branch. Do not apply to plants that are in trunk. Do not apply to plants that are in rootstock.
	Aphids Diamondback Moths, Imported Cabbage- worms, Battus Bugs, Caterpillars Earworms	1/2-1 qt. 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 other special treatments may occur.

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Crop	Pest	Rate	Timing/Special Directions
Lettuce	Cutworms	2-4 lbs. per acre	Apply as soon as possible immediately after planting and immediately after weeding into the soil. (See Soil Temperature Note.)
	Mole Crickets	1 lb. per acre	Apply to plant beds or rows 7-14 days before weeding or soil or other treatment and immediately thereafter into the top 4-6 inches of soil.
	Wireworms	3-4 lbs. per acre	Apply as soon as possible immediately after planting and immediately thereafter into the top 4-6 inches of soil.
	Cutworms, Wireworms, Leafhoppers	1/2-1 lb. per acre	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not take more than 1 lb. of insecticide per season. Do not apply within 14 days of harvest. Note: Cutworms will not be controlled by this material.

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Crop	Insect	Rate	Timing/Special Directions
Melons (Cantaloupe, Honeydew, Casaba, Charentais, Watermelon, Muskmelon, Cucumbers, Pickles, Squash, Pumpkins, Zucchini, Eggplant, Tomatoes, Peppers, Beans, Corn, Soybeans, Alfalfa, Clover, Hay, Pasture, etc.)	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 6-8 inches of soil.
Apples, Peaches, Plums, Cherries, Apricots, Nectarines, Pears, Quinces, etc.	Aphids, Scale, Leafhoppers, etc.	1/2-1 1/2 qts. per acre.	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 4 applications per season. Do not apply within 2 days of harvest or later as residues may occur. NOTE: Diazinon will not control organophosphate resistant populations.

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Crop	Pest	Rate	Timing / Special Directions
Matured	Cutworms	2-4 qts. per acre	Apply as soon as possible after hatching and immediately before they enter the soil. (See Soil Temperature Note.)
	Noth Crickets	1 qt. per acre	Apply to the base of plants in early morning or late afternoon. Do not apply if rain is expected within 24 hours.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately before the soil is covered.
	Spiders, Aphids, Fleas, Beetles, Caterpillars, Moths, Hoppers, Grasshoppers	1/2-1 qt. per acre	Apply as insects occur. Repeat applications, as necessary, every 7 days. Do not take the chance of resistance to the insecticide. Do not apply if rain is expected within 24 hours. Do not apply if rain is expected within 24 hours. Do not apply if rain is expected within 24 hours.

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Crop	Pest	Rate	Timing/Special Directions
Onions (White and Green)	Onion Maggots	2-4 qts. per acre	Broadcast just before planting and mix into the top 2-4 inches of soil. NOTE: Diazinon will not control organophosphate- resistant onion maggots.
	Onion Thrips	1 qt. 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 other precautions may occur.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-6 inches of soil.
Rutabaga	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorpor- ation Note.)
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-6 inches of soil.

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Crop	Pest	Rate	Timing/Special Directions
Vegetables	Aphids, Worms, Beetles, Dipterous Leafminers	1/2-1 qt. 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 ill- legal residues may occur. NOTE: Diazinon will not control organophosphate- resistant leafminers.
Beans (soybean- lent only)	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorpo- ration Note.)
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.

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Crop	Pest	Rate	Timing/Special Directions
Beans (succu- lent only) (Contd)	Aphids, Dipterous Leafminers	3/4-1 qt. per acre	<p>Apply as insects occur. Repeat application, as necessary, every 3 days. Do not make more than 3 applications per season.</p> <p>To avoid illegal resi- dues, allow a minimum of 7 days between the last application and harvest.</p> <p>Vines and hay may be fed to dairy and beef cattle and sheep. To avoid illegal residues, wait 7 days following treatment if storage is to be cut for hay.</p> <p>NOTES: 1) Diazinon will not control organophosphate-resistant leafminers. 2) To protect beans, do not apply Diazinon to the crop or weeds in the treatment area are in bloom.</p>
Peppers	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	1 qt. per acre	Apply to plant beds or fields 1-2 days before sowing of seed or trans- planting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-6 inches of soil.

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Crop	Rate	Rate	Timing/Special Directions
Insects (Control)	Diazinon 50% Wettable Powder	1/2-1 qt. 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 5 days of harvest or alle- gai residues may occur. Note: Diazinon will not control organophosphate- resistant lepidoptera.
Insects	Diazinon (50% Wettable Powder)	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorpo- ration Note.)
Insects	Diazinon	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-6 inches of soil.
Soil Insects Weevils (Control (C.S.))	Diazinon (50% Wettable Powder)	2-4 qts. per acre	For control of weevils, broadcast just before planting and immediately incorporate into the top 4-6 inches of soil. Repeat as location of weevils.

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Crop	Pest	Rate	Timing/Special Directions
Potatoes (Conud)	Aphids, Flea Beetles, Colorado Potato Beetles, Diglossus Leafhoppers	1/2-3/4 pt. 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 35 days of harvest or lime- gal residues may occur. NOTE: Dismalin will not control Oryzotrogus-type resistant leafhoppers.
	Banded Cucumber Beetles, Leaf- Hoppers, Southern Armyworms	3/4-1 pt. 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 35 days of harvest or lime- gal residues may occur.

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

Rootknots	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorpor- ation Note.)
	Mole Crickets	1 qt. per acre	Apply to plant beds or fields 1-2 days before sowing of seed or trans- planting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.

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Crop	Pest	Rate	Timing/Special Directions
Rabbits (Control)	Aphids, Weevils, Beetles, Dipterous Leafminers	1/2-1 qt. 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 other- wise residues may occur. NOTE: Diazinon will not control organophosphate- resistant leafminers.
Spinach	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-6 inches of soil.
	Aphids, Dipterous Leafminers	1/2-1 qt. 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. NOTE: Diazinon will not control organophosphate- resistant leafminers.

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Crop	Pest	Rate	Timing/Special Directions
Squash, Summer	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorpor- ation Note.)
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Serpentine Leafminers, Thrips, Striped Cucumber Beetles, Kaleworms, Leafhoppers, Spider Mites	1/2-1 1/2 qts. 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 7 days of harvest as aller- gic residues may occur. NOTE: Diseases will not control organophosphate- resistant leafminers.
Squash, Winter	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorpor- ation Note.)
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.

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Crop	Pest	Rate	Timing/Special Directions
Squash, Pumpkin (Cucurbit)	Aphids, Serpentine Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, Spider Mites	1/2-1 1/2 qts. 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 ill- gal residues may occur. NOTE: Insects will not control organophosphate- resistant pest-kills.
Sweet Corn	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorpor- ation Note.)
	Seed Corn Maggot	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast before planting and immediately incorpo- rate into the top 4 to 6 inches of soil.
	Corn Earworms	1-1 1/4 qts. per acre	Apply when silks first appear. Repeat applica- tion every 7 days if nec- essary. Do not make more than 5 applications per season.

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Crop	Pest	Rate	Timing/Special Directions
Sweet Corn (Corné)	Corn Rootworm (Adults)	1/2-1 pt. 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	1-2 pts. per acre	Apply in sufficient water to provide complete cov- erage to the upper por- tions of the plants. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season.
	Grass- hoppers, Spider Mites, Flea Beetles	1 pt. per acre	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season.

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Crop	Pest	Rate	Timing/Special Directions
Sweet Corn (Conced)	Ear Beetles	2-2 1/2 qts. 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. Forage may be fed to beef and dairy cattle and sheep.

Forage statement added here from Item 2

Note: 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. 3) Corn may be picked 7 days after the last application.

Sweet Potatoes	Wireworms, Ear Beetles	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
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Sweet Corn	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
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	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
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	Aphids, Imported Cabbage-worms, Diamondback Moths, Earleafhoppers, Bugs	1/2-1 qt. 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 other residues may occur.
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Crop	Pest	Rate	Timing/Special Directions
Tomatoes	Cutworms	2-4 lbs. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Caterpillars	1 qt. per acre	Apply to plant beds or furrows 1-2 days before sowing or seed or transplanting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 lbs. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Vicious Leafhoppers	1/2 qt. per acre	Apply as insects appear. Repeat applications, as necessary, every 7 days. Do not make more than 5 applications per season.
	Banded Cucumber Beetles, Leaf Miner, Spotted Armyworms, Beet Armyworms	3/4-1 qt. per acre	Do not apply within one day of harvest or illegal residues day occur. NOTE: Diazinon will not control cigarette beetles or warehouse weevils.
	Vinegar Flies (<i>Drosophila</i> spp.)	1/2-1 1/2 lbs. per acre	

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Crop	Pest	Rate	Timing/Special Directions
Turnips and other leafy vegetables	Cutworms	2-4 qts. per acre	Apply as soon as possible after hatching and immediately before pupation into the soil. (See Soil Insecticide Notes.)
	Mole Crickets	1 qt. per acre	Apply to surface of soil or soil 2-3 days before planting or seed or before planting and immediately before the soil is turned over.
	Wireworms	3-4 qts. per acre	Apply as soon as possible before planting and immediately before the soil is turned over.
	Aphids, flies, beetles, caterpillars, leafhoppers	1/2-1 qt. per acre	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 4 applications per season. Do not apply within 1 week of harvest or 1 week before use of fruit. Note: Do not use on crops which are to be used for animal feed.

"Roots"
omitted

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(M)

REI

added →

Field Crops

REI - 24 hours

Soil and foliar applications of (M) 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)
Hops	14
Sugar Beets	14

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

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Crop	Pest	Rate	Timing/Special Directions
Tops	Aphids, Spider Mites	1 qt. 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	3-4 qts. per acre	Broadcast just before planting. Incorporate into soil 4-6 inches. Do not apply more than 4 qts. of this product to the soil, per season.
	Beet Leaf- hoppers, Dipterous Leafhoppers, Aphids	3/4-1 qt. 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 leafhoppers.
	Grasshoppers	1 qt. 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.

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Grassland Insects

change Ditch Banks, Roadsides, Wasteland, Mooney Grass, Barrier Strips

Spray $\frac{1}{4}$ to $\frac{3}{4}$ - 1 pt. Grasshoppers: Spray $\frac{3}{4}$ -1 pt. per acre in water minimum of 1 gallon of water per acre for aerial applications or a minimum of 5 gallons of water per acre for ground applications or in oil (a minimum of 1 gallon of oil per acre) when insects first appear, preferably in the nymphal stage. Thorough coverage of the foliage is essential.

Do not graze or use treated grass for storage or feed.

Insect Control on Ornamentals

REI added
REI - 12 hours

To control certain insects on Rubovivaceae, Azalea, Birch, Boxwood, Camellia, Camellion, Chrysanthemum, Dogwood, Elm, Gladiolus, Hawthorn, Holly, Juniper, Lilac, Lobelia, Maple, Oak, Pine, Ornamental Fern, Begonia, Strobilifer, Rose, Spirea, and Willow, apply the recommended rates indicated below. Try to spray underside of leaves and penetrate dense foliage.

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