

769-954

7-30-2004

1123

**RESTRICTED USE PESTICIDE**

Due to Avian and Aquatic Toxicity. For retail sale to, and use only by, Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification

**AllPro Diazinon 50WP Insecticide**

For Control of Certain Insect on Fruits, Nuts, Vegetables, Field Crops, and Ornamentals Grown Outdoors in Nurseries.

**Active Ingredient:**

|  |               |
|--|---------------|
| Diazinon [0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl)phosphorothioate]..... | 50.0%         |
| Inert Ingredients*.....  | 50.0%         |
| <b>Total:</b>  | <b>100.0%</b> |

Diazinon 50WP is a wettable powder.

EPA Reg. No. 769-954  
EPA Est. No. 44616-MO-1

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

Si usted no entienda la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See Side Panel For Additional Precautionary Statements

**PRECAUTIONARY STATEMENTS  
Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if swallowed, inhaled, or absorbed through the 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 fishponds.

**PERSONAL PROTECTIVE EQUIPMENT:**

- Applicators and other handlers must wear:
- Long-sleeved shirt and long pants
  - Waterproof gloves
  - Shoes plus socks

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.

NET CONTENTS:

**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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**FIRST AID**

This is an organophosphate insecticide

**IF SWALLOWED:**

- 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 INHALED:**

- 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 treatment advice.

**IF ON SKIN:**

- 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.

**IF IN EYES:**

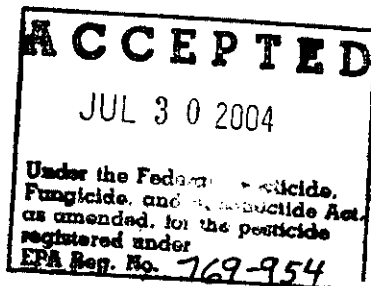
- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**HOTLINE NUMBER  
[ORGANOPHOSPHATE]**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-250-9291 for emergency medical treatment information.

**NOTE TO PHYSICIAN:** Contains an organophosphate that inhibits cholinesterase. 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.

Distributed By:  
Value Garden Supply, LLC.  
P. O. Box 585  
St. Joseph, MO 64502



### 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). 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 (REI). 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 to 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 ·Waterproof gloves ·Shoes plus socks

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 two 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

This product is a Wettable powder which should be mixed with sufficient water to assure thorough coverage unless otherwise noted in the Directions for Use.

Best control is obtained when application is made at first sign of pests. Application should be repeated only as directed to maintain control. Since this product is a wettable powder formulation, constant agitation is necessary during application.

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, since crop or plant injury may result.

Do not use in greenhouses, barns or dwellings.

### General Information for Water Soluble Packets

To prepare spray mixture, drop the required number of unopened, water soluble packets of AllPro Diazinon 50WP into the spray tank, while filling with water to the desired level. Be certain packet and its contents have completely dissolved and dispersed before applying spray. Operate agitator while mixing and applying. Do not open packets or allow them to become wet prior to adding to the spray tank. Wear gloves when handling. If all water soluble packets are not used, store remaining packets in resealed outer package.

### 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 this product 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 section of this label. When handling this product, wear the personal protective equipment listed on label.

### ENVIRONMENTAL HAZARDS

This product is 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 risks to birds and 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 washwaters. This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment areas.

### 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 rinsate is a violation of Federal law. To avoid harming aquatic organisms in rivers and other surface waters, do not pour spray mixture or rinse water into sanitary drains (for example, toilets, floor drains, and sinks) or into storm

water sewers (for example, street drains). If pesticide, spray mixture, or rinsates 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: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. Stay out of smoke from burning container.

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 1-800-888-8371, day or night.

#### **CHEMIGATION APPLICATION THROUGH AN IRRIGATION SYSTEM (CHEMIGATION) - CRANBERRIES ONLY**

This product may be applied alone or in combination with other pesticides registered for application through sprinkler irrigation systems to cranberries. To insure compatibility, pour the products into a small container of water in the correct proportions. After thorough mixing, let stand for five minutes. If the combination remains mixed, or can be remixed readily, the mixture is compatible.

Do not apply this product through any type of irrigation system to other crops. For chemigation, apply this product to cranberries only through sprinkler irrigation systems. Do not apply this product to cranberries 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 calibration, 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 chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments, if the need arises.

#### **Chemigation System Connected to Public Water Systems**

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15

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service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

#### **Sprinkler Chemigation**

1. The system must contain a functional check valve, a vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or 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 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 this product needed to treat the acreage to be treated. Refer to the specific directions for use for cranberries for the application rate and the amount of water per acre.
3. Add the pre-measured amount to the chemigation system supply tank and dilute with water if needed. Constant agitation is required to keep the product in solution when this product

is used alone or tank mixed with other pesticides registered for sprinkler chemigation application to cranberries.

- 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 diazinon to the irrigation lines.
- 6. Continue to run irrigation system for a few minutes after supply tank is empty to allow material in the irrigation lines to reach the sprinkler heads furthest from the chemigation injection point.

**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.

READ ENTIRE LABEL AND PAMPHLET, USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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 you State or Tribe, consult the agency responsible for pesticide regulation.

**IMPORTANT:** Read the entire Directions for Use and Notice before using this product.

**DISCLAIMER:** Value Garden Supply, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in the Directions For Use, subject to the inherent risks referred to above. Value Garden Supply makes no other express or implied warranty of fitness or merchantability nor any other express or implied warranty. In no case shall Value Garden Supply be liable for consequential, special, or indirect damages resulting from the use, handling or application of this product.

**AllPro Diazinon 50WP is registered for use in or on:**

- Apples
- Apricots
- Beans (seed treatment only) (succulent only)
- Beets
- Blackberries (CA, OR, WA only)
- Boysenberries (CA, OR, WA only)
- Broccoli
- Caneberries (CA, OR, WA only)
- Carrots
- Cherries
- Chinese Broccoli
- Chinese Cabbage (Bok choy and Napa)
- Chinese Mustard
- Collards
- Cranberries
- Dewberries (CA, OR, WA only)
- Endive (Escarole)
- Grapes
- Hops
- Kale
- Lettuce
- Loganberries (CA, OR, WA only)
- Melons
- Mushroom Houses
- Mustard
- Nectarines
- Onions
- Peaches
- Pears
- Peas (seed treatment only) (succulent only)
- Pineapples
- Plums
- Prunes
- Radishes
- Raspberries (CA, OR, WA only)
- Seed Treatment (Corn and Succulent Peas & Beans)
- Spinach
- Strawberries
- Sugar Beets
- Sweet Corn
- Tomatoes
- Walnuts (CA only)

**Fruit and Nut Crops - REI 24 Hours**

This product may be applied using ground or aerial application equipment as specified in the table below. This table also indicates the minimum amount of water that can be used for the various methods of application. The rate of AllPro Diazinon 50WP for aerial spray or concentrated spray applied by ground equipment is based on a dilute full cover spray applied to fruit or nut trees with conventional ground equipment at a rate of 300-400 gallons of water per acre. The specific amount of product to be used appears under the separate directions for use for each crop. (Note: "lbs." or "lbs of product" in the directions means pounds of product, not pounds of active ingredient.) If the "Rate" calls for 1 lb. of this product per 100 gallons of water, this amounts to 3-4 lbs. of product per acre when applied to fruit trees at 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 directions for use for individual crops.

| Crop            | Aerial Application<br>Minimum Gals./Acre | Ground Application<br>Minimum Gals./Acre |             |
|-----------------|--|--|-------------|
|                 |  | Dilute                                   | Concentrate |
| Apples          | 20                                       | 100                                      | 20          |
| Apricots        | 20                                       | 100                                      | 20          |
| Blackberries**  | 20                                       | 100                                      | 20          |
| Boysenberries** | 20                                       | 100                                      | 20          |
| Caneberries**   | 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          |
| Pears           | 20                                       | 100                                      | 20          |
| Pineapples      | 20                                       | 100                                      | 20          |
| Plums           | 20                                       | 100                                      | 20          |
| Prunes          | 20                                       | 100                                      | 20          |
| Raspberries**   | 20                                       | 100                                      | 20          |
| Strawberries    | 20                                       | 100                                      | 20          |
| Walnuts*        | 20                                       | 100                                      | 20          |

\* CA only

\*\* CA, OR, or WA only

Observe state time intervals between last application and harvest, as well as intervals between application and total number of applications that can be made per season.

| Crop          | PHI* | Crop          | PHI* |
|---------------|------|---------------|------|
| Apples        | 21   | Loganberries  | 7    |
| Apricots      | 21   | Nectarines    | 21   |
| Blackberries  | 7    | Peaches       | 21   |
| Boysenberries | 7    | Pears         | 21   |
| Caneberries   | 7    | Pineapples    | 7    |
| Cherries      | 21   | Plums, Prunes | 21   |
| Cranberries   | 7    | Raspberries   | 7    |
| Dewberries    | 7    | Strawberries  | 5    |
| Grapes        | 28   | Walnuts       | 45   |

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

\*\* - Dormant spray only. Not for use as dormant spray in California.

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

Note: Not for use as dormant spray in California.

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| Crop   | Pest   | Rate  | Timing/Special Directions   |
|--------|--|---|---|
| Apples | San Jose Scale,<br>Parlatoria Scale,<br>Black Scale, Brown<br>Scale, Apricot Scale,<br>European Red Mite Eggs,<br>Brown Mite Eggs, Twig<br>Borers, Apple Aphid Eggs,<br>Black Cherry Aphid Eggs,<br>Meal Plum Aphid Eggs,<br>Mealybugs | 1 lb. + 2 gals.<br>dormant oil or<br>1-1 ½ gals.<br>superior type oil in<br>100 gals. of water. | Apply as a dormant or delayed<br>dormant spray. Do not apply<br>more than 4 lbs. of product or<br>6 gals. of oil per acre.  |
|        | Leafhoppers  | 1 lb. in 100 gals. of<br>water.   | Apply, beginning at petal fall, as<br>infestations develop. Repeat<br>application in 14 days if<br>necessary.   |
|        | Eyespotted Bud Moths,<br>Fruit Tree Leafrollers,<br>Mealybugs  | 1 lb. in 100 gals. of<br>water  | Make 3 cover sprays, beginning<br>at pink stage. Do not repeat<br>application closer than 14 days.  |
|        | Codling Moths,<br>Rosy Apple Aphids,<br>Green Apple Aphids,<br>Woolly Apple Aphids,<br>Spider Mites  | 1 lb. in 100 gals. of<br>water  | Make 3 cover sprays beginning<br>when infestations occur. Do not<br>repeat applications closer than<br>14 days.<br>Note: Mites will be suppressed<br>if diazinon is used in the regular<br>cover spray program. Slight<br>russeting may occur on some<br>varieties of apples such as<br>Golden Delicious. |
|        | Apple Maggots  | 1 lb. in 100 gals. of<br>water  | Make 3 cover sprays when flies<br>are active and laying eggs. Do<br>not repeat applications closer<br>than 14 days.<br>Note: Diazinon may not control<br>organophosphate-resistant<br>apple maggots.  |
|        | San Jose Scale<br>Crawlers, Forbes<br>Scale Crawlers   | 1 lb. in 100 gals. of<br>water  | Apply early in the season when<br>crawlers first appear. If<br>infestation warrants, make a<br>second application 14 days<br>later.   |

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

|          |  |  |  |
|----------|--|--|--|
| Apricots | San Jose Scale,<br>Parlatoria Scale,<br>Black Scale, Brown<br>Scale, Apricot Scale,<br>European Red Mite<br>Eggs, Brown Mite<br>Eggs, Twig Borers,<br>Apple Aphid Eggs,<br>Black Cherry Aphid<br>Eggs, Mealy Plum<br>Aphid Eggs, Mealybugs | 1 lb. + 2 gals.<br>dormant oil or<br>1 - 1 ½ gals. | Apply as a dormant spray. Do<br>not apply more than 4 lbs. of<br>product or 6 gals. of oil per acre. |
|----------|--|--|--|

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|---|--|---|
| Aphids, Brown Mites (Clover Mites), Two-spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers | 1 lb. in 100 gals. of water  | Apply as infestations occur. Repeat application after 14 days if necessary.   |
| Olive Scale Crawlers  | ½ lb. + 1 ½ gals. of light medium horticultural oil in 100 gals. of water. | Apply when scale crawlers are present. Do not apply more than 4 lbs. of product or 6 gals. of oil per acre per application. |
| Apricot Mealybugs   | 1 lb. in 100 gals. of water  | Apply as a cover spray from petal fall to June. Allow 14 days between applications.   |

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

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|--|--|---|---|
| Caneberries (CA, OR, and WA only) (Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries) | Leafhoppers, Thrips, Aphids, Two-Spotted Spider Mites, Raspberry Fruitworms  | 2 lbs. per acre in a minimum of 100 gals.   | Apply as insects occur. Repeat application after 14 days if necessary. Do not make more than 5 applications per season. For raspberry fruitworm make one application when blossom buds separate. Make a second application when buds are well developed but still closed. |
| Dryberry Mites   |  | 2-4 lbs. per acre in a minimum of 100 gals. of water.                                 | 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.  |
| Raspberry Crown Borers, (Raspberry) Root Borers  |  | 4 lbs. per acre in a minimum of 100 gals. of water                                    | Apply as a drench to the crown and lower canes in Spring before buds break.   |
| Cherries   | San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Twig Borers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs | 1 ¼ lbs. + 3 gals. dormant oil or 1-1 ½ gals. superior type oil in 100 gals. of water | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gals. of oil per acre.  |
| Eyespotted Bud Moths, Fruit Tree Leafrollers   |  | 1 lb. in 100 gals. of water   | Apply as infestations occur beginning at petal fall. Repeat application after 7 days if necessary.  |

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| Leafhoppers             | 1 lb. in 100 gals. of water     | Make 3-4 applications beginning at petal fall and continuing through the growing season as infestations occur. Allow 7 days between applications. |
| Cherry Fruitflies       | ½ - 1 lb. in 100 gals. of water | Make 3-4 applications beginning when adult flies begin to emerge and repeating at 10 day intervals.   |
| Black Cherry Aphids     | 1 lb. in 100 gals. of water     | Apply as a cover spray when aphids appear. Repeat application after 10 days if necessary.   |
| San Jose Scale Crawlers | 1 lb. in 100 gals. of water     | Apply during the prepink stage or when crawlers first appear.   |
| Cherry Rust Mites       | ½ - 1 lb. in 100 gals. of water | Apply as a single supplemental spray to trees after harvest.  |

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

|             |                       |   |  |
|-------------|-----------------------|---|--|
| Cranberries | Blackheaded Fireworms | 4 lbs. in a minimum of 15 gals. of water per acre for ground application and up to 400 gals. of water per acre for chemigation    | Apply to larval state. Pheromone trap captures and sweep monitoring may be used to optimize treatment timing.  |
|             | Cranberry Fruitworms  | 4-6 lbs. in a minimum of 15 gals. of water per acre for ground application and up to 400 gals. of water per acre for chemigation. | Cranberry growth state and/or berry inspection for eggs may be used to optimize treatment timing; consult your local extension agent or pest management advisor. Repeat application every 14 days, as needed. A maximum of 4 applications per season is permitted for the 6 lb. rate. A maximum of 6 applications is permitted for the 4 lb. rate. |

Notes: (1) Do not apply more than 24 lbs. 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 | 1 - 2 lbs. per acre in a minimum of 100 gals. of water (200 gals. of water maximum) | Apply as a thorough cover spray when pest appears. Repeat application after 7 days if necessary. |
|--------|---|---|--|



Drosophila spp.

6 oz. per acre in a minimum of 100 gals. of water (300 gals. of water maximum)

Apply as a thorough cover spray at 7-day intervals.

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

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|------------|---|---|--|
| Nectarines | San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, European Red Mite Eggs, Brown Mite Eggs, Twig Borers, Apply Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs | 1 lb. + 2-3 gals. of dormant oil or 1 - 1 ½ gals. superior type oil in 100 gals. of water | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gals. of oil per acre.   |
|            | Aphids, Brown Mites (Clover Mites), Two-Spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers   | 1 lb. in 100 gals. of water   | Apply as infestations occur. Repeat application after 7 days if necessary.   |
|            | Peach Twig Borers, Parlatoria Scale   | 1 lb. + 1 gal. light medium summer horticultural oil in 100 gals. of water                | Apply at petal fall. Do not apply more than 4 lbs. of product or 4 gals. of summer oil per acre.   |
|            | Olive Scale Crawlers  | ½ lb. + 1 ½ gals. light medium horticultural oil in 100 gals. of water                    | Apply as insects occur. Do not apply more than 4 lbs. of product or 4 gals. of summer oil per acre per application. Allow 7 days between applications. |
|            | Oriental Fruitmoths   | 1 lb. in 100 gals. of water   | Apply at 100% petal fall. Make 2 additional applications at 10 - 15 day intervals. Time the last application to peak adult flight.                     |

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

|         |  |  |  |
|---------|--|--|--|
| Peaches | San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Twig Borers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs | 1 lb. + 2-3 gals. dormant oil or 1 - 1 ½ gals. superior type oil in 100 gals. of water | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gals. of oil per acre. |
|         | Aphids, Brown Mites (Clover Mites), Two-Spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers  | 1 lb. in 100 gals. of water  | Apply as infestations occur. Repeat application after 14 days if necessary.                    |

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|--|---|---|
| Peach Twig Borers,<br>Parlatoria Scale | 1 lb. + 1 gal. light<br>medium summer<br>horticultural oil in<br>100 gals. of water | Apply at petal fall. Do not<br>apply more than 4 lbs. of<br>product or 4 gals. of oil<br>per acre.  |
| Olive Scale Crawlers                   | ½ lb. + 1 ½ gals.<br>light medium<br>horticultural oil<br>in 100 gals. of water     | Apply as insects occur. Do<br>not apply more than 4 lbs. of<br>product or 4 gals. of oil per<br>acre, per application. Allow 7<br>days between applications.                        |
| Oriental Fruit Moths                   | 1 lb. in 100 gals.<br>of water  | Apply at 100% petal fall. Make<br>2 additional applications at 10-<br>15 day intervals. Time the last<br>application to peak adult flight.  |
| Peach Twig Borers                      | 1 lb. in 100 gals.<br>of water  | Apply as insects occur in May<br>and June. Allow 7 days<br>between applications.  |
| Leafhoppers                            | 1 lb. in 100 gals.<br>of water  | Make 3-4 applications beginning<br>at petal fall and continuing<br>through the growing season.<br>Allow at least 7 days between<br>applications.                                    |
| White Peach Scale                      | 1 ½ - 2 lbs. in<br>100 gals. of water   | Apply post harvest timed to<br>coincide with peak crawler and<br>immature scale activity. Under<br>conditions of high infestation<br>2 application (7 days apart)<br>may be needed. |

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

|                      |  |   |  |
|----------------------|--|---|--|
| Pears                | San Jose Scale,<br>Parlatoria Scale, Black<br>Scale, Brown Scale,<br>Apricot Scale, European<br>Red Mite Eggs, Brown<br>Mite Eggs, Pear Leaf<br>Blister Mite Eggs, Twig<br>Borers, Apple Cherry<br>Aphid Eggs, Mealy Plum<br>Aphid Eggs, Mealybugs | 1 lb. + 2-3 gals.<br>dormant oil or<br>1 - 1 ½ gals.<br>superior type oil | Apply as a dormant spray. Do<br>not apply more than 4 lbs. of<br>product or 6 gals. of oil per acre.   |
| Pear Psylla          |  | ½ - 1 lb. in 100 gals.<br>of water  | Apply as a cover spray at<br>pre-pink stage. Make 1 - 2<br>additional applications during<br>first and second cover sprays,<br>if necessary. Allow at least 14<br>days between applications. |
| Tentiform Leafminers |  | 1 lb. in 100 gals.<br>of water  | Make 3 cover sprays, beginning<br>in April. Allow at least 14 days<br>between applications.  |

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|---|-----------------------------|---|
| Codling Moths, Rosy Apple Aphids, Green Apple Aphids, Woolly Apple Aphids, Spider Mites | 1 lb. in 100 gals. of water | Make 3 cover sprays, beginning as infestations occur. Allow at least 14 days between applications.<br>Note: Mites will be suppressed if diazinon is used in this regular cover spray program. |
|---|-----------------------------|---|

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| Apple Maggots | 1 lb. in 100 gals. of water | Make 3 cover sprays when flies are active and laying eggs. Allow at least 14 days between applications.<br>Note: Diazinon may not control organophosphate-resistant apple maggots. |
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| San Jose Scale Crawlers, Forbes Scale Crawlers | 1 lb. in 100 gals. of water | Apply early in the season when crawlers first appear. If infestation warrants, make a second application 14 days later. |
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Notes: (1) Do not apply more than 4 lbs. of product per acre per application and no more than 12 lbs. of product per acre per season. (2) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest.

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| Pineapple | Pineapple Mealybugs | 2 lbs. per acre in 200-500 gals. of water | Repeat application as necessary every 28 days up to a maximum of 8 applications. Do not apply within 7 days of harvest or illegal residues may occur. Pineapple forage and refuse may not be fed to livestock. |
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|-------|--|--|--|
| Plums | San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Twig Borers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs | 1 lb. + 2-3 gals. dormant oil or 1 - 1 1/2 gals. superior type oil in 100 gals. of water | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gals. of oil per acre. If applied in late April or May, mix diazinon with 1 gal. of light medium summer horticultural oil per 100 gals. of water |
|-------|--|--|--|

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| Brown Mites, Clover Mites, European Red Mites | 1 lb. in 100 gals. of water | Apply as needed every 7 days. |
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| Leafcurl Plum Aphids, Mealy Plum Aphids, Thistle Aphids | 1 lb. in 100 gals. of water |  |
|---|-----------------------------|--|

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

12/23

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|--------|--|---|--|
| Prunes | San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Twig Borers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs | 1 lb. + 2-3 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gals. | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gals. of oil per acre. For late April or May applications, mix diazinon with 1 gal. of light medium summer horticultural oil per 100 gals. of water. |
|        | Brown Mites, Clover Mites, European Red Mites  | 1 lb. in 100 gals. of water   | Apply as needed every 7 days.  |
|        | Leafcurl Plum Aphids, Mealy Plum Aphids, Thistle Aphids  | 1/2 - 1 lb. in 100 gals. of water   |  |

Notes: (1) Do not apply more than 4 lbs. of product per acre per application and no more than 12 lbs. 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 | 1 lb. in 100 gals. of water           | Apply as pests occur. Repeat application if necessary after 7 days.  |
|              | Cyclamen Mites                   | 2 lbs. in 100 gals. 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. |
|              | Mole Crickets                    | 2 lbs. per acre                       | Apply 1-2 days before transplanting and immediately incorporate into the top 1-2 inches of soil.   |
|              | Strawberry Leafrollers           | 3/4 - 1 lb. in 100 gals. of water     | Apply 200 gals. of spray per acre when blossoms show color.  |

Notes: (1) Do not apply more than 3 foliar applications per season. (2) Do not apply more than 2 lbs. of product per acre per application and no more than 8 lbs. of product per acre per season. (3) Allow a minimum of 5 days between the last application and harvest.

|                   |  |                                       |  |
|-------------------|--|---------------------------------------|--|
| Walnuts (CA only) | Aphids, Spider Mites                               | 2 lbs. in 100 gals. if water per acre | Apply as a foliar spray. Repeat application in 14 days if necessary. |
|                   | Codling Moths, Scale Crawlers, Walnut Caterpillars | 6 lbs. in 100 gals. of water per acre |  |

Notes: (1) Do not apply more than 6 lbs. of product per acre per application. (2) Do not apply more than 18 lbs. of product per acre per season. (3) To avoid illegal residues, allow a minimum of 45 days between the last application and harvest and do not apply after husks open.

Vegetable Crops - REI 24 Hours

For foliar or soil applications. AllPro Diazinon 50WP should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil. AllPro Diazinon 50WP may be applied aerially or by ground application as specified in the following table. The specific amount of product to be used appears under the separate directions for use for each crop.

13/23

Ground Application

| Crop                       | Minimum Gals./Acre       | OR | Minimum Gals./1,000 Sq. Ft. | Aerial Application Minimum Gals./Acre |
|----------------------------|--------------------------|----|-----------------------------|---------------------------------------|
| Beets, Red (Table)         | 10                       |    | 2                           | 5                                     |
| Broccoli                   | 10                       |    | 2                           | 5                                     |
| Brussels Sprouts           | 10                       |    | 2                           | 5                                     |
| Cabbage                    | 10                       |    | 2                           | 5                                     |
| Cantaloupes                | 5                        |    | 1                           | 5                                     |
| Carrots                    | 10                       |    | 2                           | 5                                     |
| Casaba Melons              | 5                        |    | 1                           | 5                                     |
| Cauliflower                | 10                       |    | 2                           | 5                                     |
| Chinese Broccoli           | 10                       |    | 2                           | 5                                     |
| Chinese Cabbage            | 10                       |    | 2                           | 5                                     |
| Chinese Mustard            | 10                       |    | 2                           | 5                                     |
| Collards                   | 10                       |    | 2                           | 5                                     |
| Crenshaw Melons            | 5                        |    | 1                           | 5                                     |
| Endive (Escarole)          | 10                       |    | 2                           | 5                                     |
| Honeydew Melons            | 5                        |    | 1                           | 5                                     |
| Kale                       | 10                       |    | 2                           | 5                                     |
| Lettuce (Head and Leaf)    | 10                       |    | 2                           | 5                                     |
| Muskmelons                 | 5                        |    | 1                           | 5                                     |
| Mustard                    | 10                       |    | 2                           | 5                                     |
| Peas (Seed treatment only) | ½ oz. per bushel of seed |    |                             |                                       |
| Persian Melons             | 5                        |    | 1                           | 5                                     |
| Radishes                   | 10                       |    | 2                           | 5                                     |
| Spinach                    | 10                       |    | 2                           | 5                                     |
| Sweet Corn                 | 20                       |    | 4                           | 5                                     |
| Tomatoes                   | 10                       |    | 2                           | 5                                     |
| Watermelons                | 5                        |    | 1                           | 5                                     |

Observe state time intervals between last application and harvest, as well as intervals between and maximum number of applications per season.

Pre-Harvest Intervals (PHI\*) for Foliar Applications

| Crop               | PHI* (Days) | Crop                    | PHI* (Days) |
|--------------------|-------------|-------------------------|-------------|
| Beets, Red (Table) | 14          | Endive (Escarole)       | 14          |
| Broccoli           | 7           | Honeydew Melon          | 3           |
| Brussels Sprouts   | 7           | Kale                    | 10          |
| Cabbage            | 21          | Lettuce (Head and Leaf) | 14          |
| Cantaloupes        | 3           | Muskmelons              | 3           |
| Carrots            | 14          | Mustard                 | 10          |
| Casaba Melons      | 3           | Onions (Bulb and Green) | 14          |
| Cauliflower        | 7           | Persian Melons          | 3           |
| Chinese Broccoli   | 10          | Radishes                | 14          |
| Chinese Cabbage    | 10          | Spinach                 | 14          |
| Chinese Mustard    | 10          | Sweet Corn              | 7           |
| Collards           | 10          | Tomatoes                | 1           |
| Crenshaw Melons    | 3           | Watermelons             | 3           |

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

Note: (1) Soil Incorporation: Following application of this product to control vegetable soil insects, immediately incorporate the product into the soil to the recommended depth (see Timing/Special 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 3-6 inches.

(2) To Protect Bees: Foliar applications of this product should not be made to corn during the pollen shed period.

| Crop               | Pest                            | Rate   | Timing/Special Directions   |
|--------------------|---------------------------------|--|---|
| Beets, Red (Table) | Cutworms                        | 4-8 lbs. per acre or<br>1 1/2 - 3 oz. per 1,000<br>sq. ft.     | Broadcast just before planting<br>and immediately incorporate<br>into the soil. (See Soil<br>Incorporation Note.)   |
|                    | Mole Crickets                   | 2 lbs. per acre or 3/4 oz.<br>per 1,000 sq. ft.                | One to two days before planting,<br>broadcast and immediately<br>incorporate into the top 1-2<br>inches of soil.  |
|                    | Wireworms                       | 6-8 lbs. per acre or<br>2 1/4 - 3 oz. per 1,000<br>sq. ft.     | Broadcast just before planting<br>and immediately incorporate<br>into the top 4-8 inches of soil.   |
|                    | Aphids, Dipterous<br>Leafminers | 1/2 - 1 lb. per acre<br>or 1/5 - 2/5 oz. per<br>1,000 sq. ft.  | Apply as insects occur. Repeat<br>application as necessary up to<br>5 times with a minimum of 7<br>days between applications. Do<br>not apply within 14 days of<br>harvest, or illegal residues may<br>occur.<br>Note: Diazinon will not control<br>organophosphate-resistant<br>leafminers.  |
| Broccoli           | Root Maggots                    | 4-6 lbs. per acre or<br>1 1/2 - 2 1/4 oz. per<br>1,000 sq. ft. | Broadcast just before planting or<br>transplanting and immediately<br>incorporate into the top 3-4<br>inches of soil.   |
|                    |                                 | 4-8 oz. in 50 gals.<br>of water                                | In transplant water as a drench<br>application when 200-300 gals.<br>of water are used per acre.<br>Apply 1/2 - 1 cup (4 to 8 oz.) per<br>plant by hand or by tractor<br>mounted sprayer equipped with<br>drop nozzles to direct spray to<br>the base of the plant.<br>Note: Transplant water<br>treatments may result in stand<br>reduction due to plant stress<br>at time of transplanting. |
|                    | Cutworms                        | 4-8 lbs. per acre or<br>1 1/2 - 3 oz. per 1,000<br>sq. ft.     | Broadcast just before planting<br>and immediately incorporate<br>into the soil. (See Soil<br>Incorporation Note.)   |
|                    | Mole Crickets                   | 2 lbs. per acre or 3/4<br>oz. per 1,000 sq. ft.                | One to two days before planting,<br>broadcast and immediately<br>incorporate into the top 1-2<br>inches of soil.  |
|                    | Wireworms                       | 6-8 lbs. per acre or<br>2 1/4 - 3 oz. per 1,000<br>sq. ft.     | Broadcast just before planting<br>and immediately incorporate<br>into the top 4-8 inches of soil.   |

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Aphids, Diamondback  
 Moths, Imported  
 Cabbageworms,  
 Dipterous Leafminers

½ - 1 lb. per acre or  
 1/5 - 2/5 oz. per  
 1,000 sq. ft.

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.

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| Brussels Sprouts | Root Maggots | 4-6 lbs. per acre or<br>1 ½ - 2 ¼ oz. per<br>1,000 sq. ft. | Broadcast just before planting or transplanting and immediately incorporate into the top 3-4 inches of soil. |
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|  |  | 4-8 oz. in 50 gals.<br>of water | In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply ½ - 1 cup (4 to 8 oz.) per plant by hand or by tractor mounted sprayer equipped with drop nozzles to direct spray to the base of the plant.<br>Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting. |
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| Cutworms |  | 4-8 lbs. per acre or<br>1 ½ - 3 oz. per 1,000<br>sq. ft. | Broadcast just before planting and incorporate into the soil. (See Soil Incorporation Notes.) |
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| Mole Crickets |  | 2 lbs. per acre or<br>¾ oz. per 1,000 sq. ft. | One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. |
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| Wireworms |  | 6-8 lbs. per acre or<br>2 ¼ - 3 oz. per<br>1,000 sq. ft. | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
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| Aphids, Diamondback<br>Moths, Imported<br>Cabbageworms |  | ½ - 1 lb. per acre<br>or 1/5 - 2/5 oz. per<br>1,000 sq. ft. | 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. |
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| Cabbage | Root Maggots | 4-6 lbs. per acre<br>or 1 ½ - 2 ¼ oz.<br>per 1,000 sq. ft. | Broadcast just before planting or transplanting and immediately incorporate into the top 3-4 inches of soil. |
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|  |  | 4-8 oz. in 50 gals.<br>of water | In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply ½ - 1 cup (4 to 8 oz.) per plant by hand or by tractor mounted sprayer equipped with crop nozzles to direct spray to the base of the plant. |
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Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting.

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|             | Cutworms  | 4-8 lbs. per acre<br>or 1 ½ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting<br>and immediately incorporate<br>into the soil. (See Incorporation<br>Note.)   |
|             | Mole Crickets   | 2 lbs. per acre<br>or ¾ oz. per<br>1,000 sq. ft.            | One to two days before<br>planting, broadcast and<br>immediately incorporate<br>into the top 1-2 inches of soil.   |
|             | Wireworms   | 6-8 lbs. per acre<br>or 1/5 - 2/5 oz. per<br>1,000 sq. ft.  | Broadcast just before planting<br>and immediately incorporate<br>into the top 1-2 inches of soil.  |
|             | Aphids, Diamondback<br>Moths, Imported<br>Cabbageworms,<br>Dipterous Leafminers | ½ - 1 lb. per acre<br>or 1/5 - 2/5 oz. per<br>1,000 sq. ft. | Apply as insects occur. Repeat<br>application as necessary, up to<br>5 times, with a minimum of 7<br>days between applications. Do<br>not apply within 21 days of<br>harvest, or illegal residues may<br>occur.<br>Note: Diazinon will not control<br>organophosphate resistant<br>leafminers. |
| Carrots     | Cutworms  | 4-8 lbs. per acre<br>or 1 ½ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting<br>and immediately incorporate<br>into the soil. (See Soil<br>Incorporation Note.)  |
|             | Mole Crickets   | 2 lbs. per acre or<br>¾ oz. per 1,000 sq. ft.               | One to two days before planting,<br>broadcast and immediately<br>incorporate into the top 1-2<br>inches of soil.   |
|             | Wireworms   | 6-8 lbs. per acre or<br>2 ¼ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting<br>and immediately incorporate<br>into the top 4-8 inches of soil.  |
|             | Carrot Rust Fly   | 4 lbs. per acre or<br>1 ½ oz. per 1,000<br>sq. ft.          | Apply as a drench to the seed<br>furrow at planting.   |
|             | Aphids  | 1 lb. per acre or<br>2/5 oz. per 1,000<br>sq. ft.           | Apply as insects occur. Repeat<br>application, as necessary, up to<br>5 times with a minimum of 7<br>days between applications. Do<br>not apply within 14 days of<br>harvest or illegal residues may<br>occur.   |
| Cauliflower | Root Maggots  | 4-6 lbs. per acre<br>or 1 ½ - 2 ¼ oz.<br>per 1,000 sq. ft.  | Broadcast just before planting or<br>transplanting and immediately<br>incorporate into the top 3-4<br>inches of soil.  |
|             |   | 4-8 oz. in 50 gals.<br>of water                             | In transplant water as a drench<br>application when 200-300 gals.  |



of water are used per acre.  
 Apply ½ - 1 cup (4 to 8 oz.) per  
 plant by hand or by tractor  
 mounted sprayer equipped with  
 crop 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.

- 17/23

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| Cutworms  | 4-8 lbs. per acre<br>or 1 ½ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting<br>and immediately incorporate<br>into the soil. (See Incorporation<br>Note.)   |
| Mole Crickets   | 2 lbs. per acre<br>or ¾ oz. per<br>1,000 sq. ft.            | One to two days before<br>planting, broadcast and<br>immediately incorporate<br>into the top 1-2 inches of soil.   |
| Wireworms   | 6-8 lbs. per acre<br>or 2 ¼ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting<br>and immediately incorporate<br>into the top 1-2 inches of soil.  |
| Aphids, Diamondback<br>Moths, Imported<br>Cabbageworms,<br>Dipterous Leafminers | ½ - 1 lb. per acre<br>or 1/5 - 2/5 oz. per<br>1,000 sq. ft. | Apply as insects occur. Repeat<br>application as necessary, up to<br>5 times, with a minimum of 7<br>days between applications. Do<br>not apply within 21 days of<br>harvest, or illegal residues may<br>occur.<br>Note: Diazinon will not control<br>organophosphate resistant<br>leafminers. |

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| Chinese Broccoli,<br>Chinese Cabbage<br>(Bok Choy and<br>Napa), Chinese<br>Mustard (Gai<br>Choy) | Aphids, Diamondback<br>Moths, Imported<br>Cabbageworms,<br>Dipterous Leafminers | ½ - 1 lb. per acre<br>or 1/5 - 2/5 oz. per<br>1,000 sq. ft. | Apply as insects occur. Repeat<br>application as necessary, up to<br>5 times, with minimum of 7 days<br>between applications. Do not<br>apply within 7 days of harvest or<br>illegal residues may occur.<br>Note: Diazinon will not control<br>organophosphate-resistant<br>leafminers. |
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| Collards | Cutworms  | 4-8 lbs. per acre<br>or 1 ½ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting<br>and immediately incorporate<br>into the soil (See Soil<br>Incorporation Note.) |
|          | Mole Crickets   | 2 lbs. per acre<br>or ¾ oz. per<br>1,000 sq. ft.            | One to two days before<br>planting, broadcast and<br>immediately incorporate<br>into the top 1-2 inches of soil. |
|          | Wireworms   | 6-8 lbs. per acre<br>or 2 ¼ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting<br>and immediately incorporate<br>into the top 4-8 inches of soil.                |
|          | Aphids, Diamondback<br>Moths, Imported<br>Cabbageworms, | ½ - 1 lb. per acre<br>or 1/5 - 2/5 oz. per<br>1,000 sq. ft. | Apply as insects occur. Repeat<br>application as necessary, up to<br>5 times, with a minimum of 7                |

Harlequin  
Cabbageworms,  
Corn Earworms

days between applications. Do not apply within 21 days of harvest, or illegal residues may occur.

18/23

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| Endive (Escarole)          | Cutworms   | 4-8 lbs. per acre<br>or 1 ½ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note.)   |
|                            | Mole Crickets  | 2 lbs. per acre<br>or ¾ oz. per<br>1,000 sq. ft.            | One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.   |
|                            | Wireworms  | 6-8 lbs. per acre<br>or 2 ¼ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.   |
|                            | Aphids,<br>Dipterous<br>Leafminers   | ½ - 1 lb. per acre<br>or 1/5 - 2/5 oz. per<br>1,000 sq. ft. | Apply as insects occur. Repeat application as necessary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 14 days of harvest.<br>Note: Diazinon will not control organophosphate-resistant leafminers. |
| Kale                       | Cutworms   | 4-8 lbs. per acre<br>or 1 ½ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting and immediately incorporate into the soil. (See Incorporation Note.)   |
|                            | Mole Crickets  | 2 lbs. per acre<br>or ¾ oz. per<br>1,000 sq. ft.            | One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.   |
|                            | Wireworms  | 6-8 lbs. per acre<br>or 2 ¼ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.   |
|                            | Aphids, Diamondback<br>Moths, Imported<br>Cabbageworms,<br>Harlequin<br>Cabbageworms,<br>Corn Earworms | ½ - 1 lb. per acre<br>or 1/5 - 2/5 oz. per<br>1,000 sq. ft. | Apply as insects occur. Repeat application as necessary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 10 days of harvest or illegal residues may occur.  |
| Lettuce<br>(Head and Leaf) | Cutworms   | 4-8 lbs. per acre<br>or 1 ½ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting and immediately incorporate into the soil. (See Incorporation Note.)   |
|                            | Mole Crickets  | 2 lbs. per acre<br>or ¾ oz. per<br>1,000 sq. ft.            | One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.   |
|                            | Wireworms  | 6-8 lbs. per acre<br>or 2 ¼ - 3 oz. per                     | Broadcast just before planting and immediately incorporate  |

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|  |   | 1,000 sq. ft.  | into the top 4-8 inches of soil.   |
|  | Aphids, Dipterous Leafminers  | ½ - 1 lb. per acre or 1/5 - 2/5 oz. per 1,000 sq. ft.    | Apply as insects occur. Repeat application as necessary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 14 days of harvest.<br>Note: Diazinon will not control organophosphate resistant leafminers.                                |
| Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians, and Hybrids of these) and Watermelons | Cutworms  | 4-8 lbs. per acre or 1 ½ - 3 oz. per 1,000 sq. ft.       | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)   |
|  | Wireworms   | 6-8 lbs. per acre or 2 ¼ - 3 oz. per 1,000 sq. ft.       | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  |
|  | Aphids, Dipterous Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, Spider Mites | ½ - 1 ½ lbs. per acre or 1/5 - 3/5 oz. per 1,000 sq. ft. | 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.<br>Note: Diazinon will not control organophosphate-resistant leafminers. |
| Mustard  | Mole Crickets   | 2 lbs. per acre or ¾ oz. per 1,000 sq. ft.               | One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.  |
|  | Wireworms   | 6-8 lbs. per acre or 2 ¼ - 3 oz. per 1,000 sq. ft.       | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  |
|  | Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers                                | ½ - 1 lb. per acre or 1/5 - 2/5 oz. per 1,000 sq. ft.    | Apply as insects occur. Repeat application as necessary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 10 days of harvest.<br>Note: Diazinon will not control organophosphate-resistant leafminers.                                |
| Onions (Bulb and Green)  | Onion Maggots   | 4-8 lbs. per acre or 1 ½ - 3 oz. per 1,000 sq. ft.       | Broadcast just before planting and mix into the top 3-4 inches of soil. (See Soil Incorporation Note.)<br>Note: Diazinon will not control organophosphate-resistant onion maggots.   |
|  | Onion Thrips  | 1 lb. per acre or 2/5 oz. per 1,000 sq. ft.              | Apply as thrips appear. Repeat after 7 days, if necessary. Do not make more than 3 applications per season.  |

Do not apply within 14 days of harvest or illegal residues may occur.

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|            |   |   |   |
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|            | Wireworms   | 6-8 lbs. per acre or<br>2 ¼ - 3 oz. per 1,000<br>sq. ft.    | Broadcast just before planting<br>and immediately incorporate<br>into the top 4-8 inches of soil.   |
| Radishes   | Cutworms  | 4-8 lbs. per acre<br>1 ½ - 3 oz. per<br>1,000 sq. ft.       | Broadcast just before planting<br>and immediately incorporate<br>into the soil. (See Incorporation<br>Note.)  |
|            | Mole Crickets                                       | 2 lbs. per acre<br>or ¾ oz. per<br>1,000 sq. ft.            | One to two days before<br>planting, broadcast and<br>immediately incorporate<br>into the top 1-2 inches of soil.  |
|            | Wireworms   | 6-8 lbs. per acre<br>or 2 ¼ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting<br>and immediately incorporate<br>into the top 4-8 inches of soil.   |
|            | Aphids,<br>Flea Beetles,<br>Dipterous<br>Leafminers | ½ - 1 lb. per acre<br>or 1/5 - 2/5 oz. per<br>1,000 sq. ft. | Apply as insects occur. Repeat<br>application as necessary, up to<br>3 times, with a minimum of 7<br>days between applications. Do<br>not apply within 14 days of<br>harvest.<br>Note: Diazinon will not control<br>organophosphate-resistant<br>leafminers.  |
| Spinach    | Aphids, Dipterous<br>Leafminers                     | ½ - 1 lb. per acre<br>or 1/5 - 2/5 oz. per<br>1,000 sq. ft. | Apply as insects occur. Repeat<br>application, as necessary, up to<br>5 times, with a minimum of 7<br>days between applications. Do<br>not apply within 14 days of<br>harvest.<br>Note: Diazinon will not control<br>organophosphate-resistant<br>leafminers. |
| Sweet Corn | Cutworms  | 4-8 lbs. per acre<br>or 1 ½ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting<br>and immediately incorporate<br>into the soil. (See Soil<br>Incorporation Note.)   |
|            | Seed Corn Maggots                                   | 4-8 lbs. per acre<br>or 1 ½ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting<br>and immediately incorporate<br>into the top 2 inches of soil.   |
|            | Wireworms   | 6-8 lbs. per acre<br>or 2 ¼ - 3 oz. per<br>1,000 sq. ft.    | Broadcast just before planting<br>and immediately incorporate<br>into the top 4-8 inches of soil.   |
|            | Corn Earworms                                       | 2 - 2 ½ lbs. per<br>acre or ¾ - 1 oz.<br>per 1,000 sq. ft.  | Apply when silks first appear.<br>Repeat application every 7<br>days up to a maximum of 5<br>applications, if necessary.  |
|            | Corn Leaf Aphids                                    | 1-2 lbs. per acre<br>or 2/5 - ¾ oz. per<br>1,000 sq. ft.    | Apply in sufficient water to<br>provide complete coverage<br>to the upper portions of the   |

plants. Repeat in 7 days if necessary. Do not make more than 5 applications per season.

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|---|--|---|
| Grasshoppers,<br>Spider Mites,<br>Fleabeetles | 1 lb. per acre<br>or 2/5 oz. per<br>1,000 sq. ft.              | Apply as insects occur. Repeat if necessary, but do not make more than 5 applications per season.   |
| Sap Beetles                                   | 2 - 2 1/2 lbs. per<br>acre or 3/4 - 1 oz.<br>per 1,000 sq. ft. | Consult local agricultural authorities for proper timing of application. Repeat application in 7 days, if necessary. 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 a minimum of 7 days between the last application and grazing or cutting for forage. (3) Corn may be picked 7 days after the last application.

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| Tomatoes | Cutworms  | 4-8 lbs. per acre<br>1 1/2 - 3 oz. per<br>1,000 sq. ft.            | Broadcast just before planting and immediately incorporate into the soil. (See Incorporation Note.)   |
|          | Mole Crickets   | 2 lbs. per acre<br>or 3/4 oz. per<br>1,000 sq. ft.                 | One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.                                       |
|          | Wireworms   | 6-8 lbs. per acre<br>or 2 1/4 - 3 oz. per<br>1,000 sq. ft.         | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.   |
|          | Aphids,<br>Dipterous<br>Leafminers  | 1/2 - 1 lb. per acre<br>or 1/5 oz. per<br>1,000 sq. ft.            | Apply as insects occur. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season.,                      |
|          | Banded Cucumber<br>Beetles, Fall<br>Armyworms,<br>Southern Armyworms,<br>Beet Armyworms | 3/4 - 1 lbs. per acre<br>or 3/10 - 2/5 oz.<br>per 1,000 sq. ft.    | Do not apply within on day of harvest or illegal residues may occur.<br>Note: Diazinon will not control organophosphate-resistant leafminers. |
|          | Vinegar Flies<br>(Drosophila spp.)  | 1/2 - 1 1/2 lbs. per acre<br>or 1/5 - 3/5 oz. per<br>1,000 sq. ft. |   |

#### Mushroom House - REI 12 Hours

##### Mushroom Flies (Phorida and Sciarids)

Mix 4-5 lbs. of this product in 50 gallons of water and spray on outside and inside walls, floors and sideboards of mushroom houses after compost has been pasteurized by heating. Also spray over the plastic covering the beds and trays after spawning. Note: Do not spray the compost. To avoid illegal residues, do not apply more than 3 applications to mushroom houses per crop.

##### Seed Treatment - Planter Box Treatment

In the planter box, mix with seed as a dry mixture. Stir slightly using a mixing stick. DO NOT MIX WITH BARE HANDS. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seed beyond planting time. Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of excess treated seed by burial away from bodies of water.

Note: (1) If seed has not been treated with a fungicide, use an EPA-registered fungicide combination with this product at rates indicated on the fungicide package. Failure to use a fungicide may result in injury to the seed. (2) If the seed treatment increases the friction between seeds sufficiently to reduce the rate of delivery through the planter, 1/2 oz. of graphite per bushel seed should be added as a drill lubricant. Adjust the planter to give the required rate of seed delivery with the treated seed, (3) Treated seed must not be used for or mixed with food or animal feed or processed for oil.

Corn

Seedcorn Beetle: Mix 3 oz. per bushel of seed.

Corn, Succulent Peas and Succulent Beans

Seedcorn Maggot: Mix 1/2 oz. per bushel of seed.

Field Crops - REI 12 Hours

Apply soil and foliar applications of this product 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 Intervals (PHI\*) For Foliar Applications

| Crop        | PHI* |
|-------------|------|
| Hops        | 14   |
| Sugar Beets | 14   |

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

Field Crops - REI 12 Hours

| Crop        | Pest   | Rate                 | Timing/Special Directions   |
|-------------|--|----------------------|---|
| Hops        | Aphids, Spider Mites                                 | 2 lbs. per acre      | Apply as pest occur. Repeat applications, if necessary in 14 days. Do not make more than 4 applications per season or apply within 14 days of harvest or illegal residues may occur.  |
| Sugar Beets | Wireworms  | 6-8 lbs. per acre    | Broadcast just before planting and immediately incorporate into the top 4-6 inches of soil. Do not apply more than 8 lbs. of this product to the soil, per season.  |
|             | Beet Leafhoppers,<br>Dipterous Leafminers,<br>Aphids | 3/4 - 1 lb. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times per season with a minimum of 7 days between applications. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate-resistant leafminers. |
|             | Grasshoppers   | 1 lb. per acre       | Apply as insects occur. Repeat application, as necessary, up to 5 times per season with a minimum of 7 days between applications. Do not apply within 14 days of harvest.   |

Note: Sugar beet tops may be fed to beef and dairy animals.

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Insect Control on Ornamentals Grown Outdoors in Nurseries - REI 12 Hours

To control certain insects on ornamentals such as 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 recommended rates indicated below. Apply when pests first appear. Try to spray underside of leaves and penetrate dense foliage.

| Insects   | Amount of this Product to Use |                             |
|---|-------------------------------|-----------------------------|
|   | Rate per<br>3 gals. water     | Rate per<br>100 gals. water |
| 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, Whiteflies | ½ oz.                         | 1 lb.                       |
| Apple-and-Thorn Skeletonizers, Cotoneaster Webworms, Fall Webworms, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars  | 1 ½ oz.                       | 3 lbs.                      |

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

Mimosa Webworms: Mix ½ oz. in 3 gals. of water (or 1 lb. 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.