

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF \* TVENTION, PESTICIDES AND TOXIC SUBSTANCES

Ms. Glenda Haage Platte Chemical Co. P.O. Box 667 Greeley, CO 80632-0667

DEC 1 3 2001

Dear Ms. Haage:

Subject: Amendment - Comply with 2000 Diazinon MOA; Delete Beans, Celery, Collards, Cucumbers, Parsley, Peas, Peppers, Potatoes, Summer Squash, Winter Squash, Sweet Potatoes, Swiss Chard, Turnips, Lawn Pest Control, and Band Treatment around house foundation; Update First Aid per PR Notice 2001-1; and Update CSF/replacement diazinon source

> Clean Crop Diazinon 50W Insecticide EPA Registration Number 34704-435 Your submission dated June 12, 2001

The 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. Delete directions for use for foliar or pre-plant soil application on the crop Beans (including the separate entry of Lima Beans) and on the crop Peas. Under the diazinon MOA, and as stipulated on the labeling for the replacement diazinon manufacturing-use products from which agricultural end-use products may be formulated, the only supported agricultural use pattern for use on beans or peas is for seed treatment (which appears on this label and may be retained). Also, be sure to delete Beans and Peas from the minimum gallonage and PHI tables that appear under the heading VEGETABLE CROPS.
- b. Revise the heading FIRST AID STATEMENTS to FIRST AID and under this heading add "This product contains diazinon, an organophosphate insecticide that inhibits cholinesterase.".

c. Under the FIRST AID advice (and above the hotline numbers) add a Note to Physician as follows:

#### NOTE TO PHYSICIAN

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

- d. In the Environmental Hazards, delete the sentences beginning "Because of the migratory..." and "On lawns, if waterfowl..", since these sentences pertain to the use on lawns which you have deleted. Also, delete the phrase "For terrestrial uses," from the sentence beginning "For terrestrial uses, do not apply...", since all the uses on the label are terrestrial uses.
- e. Under the table heading "This product is registered for use In or on:" delete claims for the following uses which you have deleted from your label: Beans, Cucumbers, Fly Control in barns and animal sleeping quarters, Lawns, Non-crop areas, Parsley, Parsnips, Peas, Peppers, Potatoes, Sheep, Squash, Sweet Potatoes, Swiss Chard, Turnips, Turnip tops. Also, revise the entry "Ornamentals" to "Ornamentals grown outdoors in nurseries only". Under this table, delete the footnote "\*\* except commercially grown potatoes which will be hand-harvested".
- f. Under the heading GENERAL INFORMATION, replace "Do not use on food crops grown in greenhouses." with "Do not apply this product in greenhouses, dwellings, or barns.".
- g. Under the heading DIRECTIONS FOR USE, slightly revise the reformulation prohibition to read "Reformulation or repackaging of this product is prohibited.".
- h. Under the Note about the California Department of Agriculture, delete the sentence beginning Do not use water from irrigated..". This sentence will appear later as one of the Notes under the directions for use on cranberries.
- i. In the Notes under the crop Cranberries, renumber the current second note to be the fourth note and insert the following two notes: (2) 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 label. (3) Do not apply more than 24 pounds of product per acre per season.
- j. For the crop Walnuts, delete the sentence beginning "Do not apply within ..." from the Timing/Special Directions and then add the following Notes for this crop:

Notes: (1) Do not apply more than 6 pounds of product per

acre per application and no more than 18 pounds of product per acre per season. (2) To avoid illegal residues, allow a minimum of 45 days between the last application and harvest and do not apply after husks open.

- k. Under the heading VEGETABLE CROPS, in the minimum gallonage table, revise "Casabas" to "Casaba Melons" and revise "Crenshaws" to "Crenshaw Melons". In the NOTES under this table, since foliar application to beans and peas is no longer permitted, delete the following from the second note "to peas or to beans if these crops or weeds in the treatment area are in bloom, or", .
- 1. Under the heading SEED TREATMENT, for consistency the pest name Seedcorn Maggot and its associated rate should not be in bold type.
- 3. Submit three (3) copies of your final printed labeling before you release the product for shipment.

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.

The Basic Confidential Statement of Formula (CSF) dated June 12, 2001 which identifies a replacement diazinon source Manufacturing Use Product is acceptable and has been added to this product's registration file.

Sincerely,

George T. LaRocca Product Manager 13 Insecticide Branch Registration Division (7505C)

## 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.

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



## Insecticide IN WATER SOLUBLE PACKETS

### Organophosphate Insecticide

#### **ACTIVE INGREDIENT:**

Diazinon: O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) [phosphorothicate] ..... 50.0% INERT INGREDIENTS: 50.0% TOTAL

Diazinon 50WP is a wettable powder.

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

For specific pests, refer to use directions.

## KEEP OUT OF REACH OF CHILDREN CAUTION

See Additional Precautionary Statements Below

EPA REG. NO. 34704-435 EPA EST. NO. 67545-AZ-1

**NET WEIGHT 28 LBS. (11.78 KG)** 

EXP 06Y01

#### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled or absorbed through skin. Do not breathe dust or spray mist. Avoid contact with skin, eyes, and clothing. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not use on humans or pets. Do not contaminate ornamental fish

Be sure to read and follow "Worker Safety Rules" appearing in this label.

#### Personal Protective Equipment:

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with 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.

#### **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 STATMENTS

| If swallowed: | <ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person or convulsing person.</li> </ul> |
|---------------|---|
| If on skin    | Take off contaminated clothing.   |
| or clothing:  | Rinse skin immediately with plenty of water for 15 to 20 minutes.   |
|               | Call a poison control center or doctor for treatment advice.  |
| If inhaled:   | Move person to fresh air.   |
|               | <ul> <li>If person is not breathing, call 911 or an ambulance,<br/>then give artificial respiration, preferably mouth-to-<br/>mouth if possible.</li> </ul>   |
|               | Call a poison control center or doctor for further treatment advice.  |
| If in eyes:   | <ul> <li>Hold eye open and rinse slowly and gently with water<br/>for 15-20 minutes. Remove contact lenses, if present,<br/>after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment<br/>advice.</li> </ul>  |
|               |   |

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-228-5635, EXT. 136, OR CALL COLLECT, 612-851-8180, EXT. 136.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is highly toxic to birds, fish, and other wildlife. Birds, especially waterlowl, feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates. Rates above those recommended significantly increase potential hazards to birds and waterlowl. Avoid overlapping of sprays. On lawns, if waterfowl, i.e. ducks or geese, can be expected in the treated area after treatment (except spot treatment), apply a minimum of 0.25 inch of water immediately after applying this product. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. For terrestrial uses, do not apply directly to water, or 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 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 providing with COMMENTS In EPA Letter Dated:

DEC 1 3 2001

Under the Federal Insecticide, Fungicide, and Rodenticide Act, amended, for the pesticide 34704 - 435

This product is registered for use in or on:

Dewberries (CA, OR, WA only) Almonds (CA only) (succulent only) Endive (Escarole) Peppers Apricots Fly control in Ріпеарріє Beans (Lima, Pole and Snap) barns and animal Plums Potatoes\*\* (succulent only) sleeping quarters Grapes Prunes Beets Blackberries (CA, OR, WA only) Radishes Hops Raspberries Kale (CA, OR, WA only) Boysenberries Lawns (Excludes Golf Courses (CA, OR, WA only) Seed Treatment Planter Box and Sod Farms) Broccoli (Com and Succulent Brussels Sprouts Lettuce Loganberries (CA, OR, WA only) Cabbage Peas and Beans) Canaperries Sheep (CA, OR, WA only) Melons Spinach Mushroom Houses Squash Carrots Strawberries Cauliflowe Mustard Nectarines Sugar Beets Cherries Chinese Broccoli Non-crop Areas Sweet Potatoes Sweet Corn Chinese Cabbage Onions (Bok choy and Napa) Ornamentals Swiss Chard Chinese Mustard Parsley Tomatoes Collards **Parsnips** Turnios Cranberries Тиглір Торя Peaches Cucumbers Walnuts (CA only)

#### **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 on food crops grown in greenhouses.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Reformulation or repackaging this product is prohibited.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### **AGRICULTURAL USE REQUIREMENTS**

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). Exception: if the product is 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, and shoes plus socks.

NOTE: The California Department of Agriculture has set a 5-day reentry 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.

Do not use water from irrigated or flooded cranberry/watercress beds for drinking purposes or to irrigate crops other than those appearing on EPA approved diazinon labels.

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

#### CHEMIGATION

APPLICATION THROUGH AN IRRIGATION SYSTEM (CHEMIGATION) - CRAN-BERRIES 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

Note: United Horticultural Supply does not encourage connecting chemigation systems to public water supplies. The following information is provided for users who have diligently considered all other application and water supply options before electing to make such a connection.

- 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 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

- 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.
- The pesticide injection pipeline must contain a functional, automatic, quickclosing 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.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 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.
- 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.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

#### **Operating Instructions**

- Determine the acreage to be treated by the sprinkler system.
- 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.
- Add the pre-measured Diazinon 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.
- Start the irrigation system and bring the system up to full pressure, making certain that all sprinkler heads are functioning properly.
- Engage the chemigation injection or venturi system to add the Diazinon to the irrigation lines.

except dairy barns, milk rooms, and poultry houses.

<sup>\*\*</sup>except commercially-grown potatoes which will be hand-harvested.

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.

#### **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 **Practical Treatment** section of this label.

### 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. 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.

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 or 1-800-424-9300 day or night.

#### 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 this product for aerial spray or concentrated spray applied by ground equipment is based on a dilute full cover spray applied to fruit or nut tress with conventional ground equipment at a rate of 300-400 gailons of water per acre. The specific amount of product to be used appears under the separate directions for use for each crop. (Note: "bos." or "bos. of product" in the directions means pounds of this product, not pounds of active ingredient). If the "Rate" calls for 1 lb. of this product per 100 gailons 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.

| ····            | Aerial Application | Ground Application Minimum Gals/Acre |          |  |
|-----------------|--------------------|--------------------------------------|----------|--|
| Crop            | Minimum Gals /Acre | Dilute Concentrate                   |          |  |
| Almonds*        | 20                 | 100                                  | 20       |  |
| Apples          | 20                 | 100                                  | 20       |  |
| Apricots        | 20                 | 100                                  | 20       |  |
| Blackberries**  | 20                 | 100                                  | 20       |  |
| Boysenberries** | 20                 | 100                                  | 20       |  |
| Cherries        | 20                 | 100                                  | 20       |  |
| Cranberries     | 20                 | 15                                   | <u> </u> |  |
| Dewberries**    | 20                 | 100                                  | 20       |  |
| Grapes          | 20                 | 100                                  | 20       |  |
| Loganberries**  | 20                 | 100                                  | _20      |  |
| Nectarines      | 20                 | 100                                  | 20       |  |
| Peaches         | 20                 | 100                                  | 20       |  |
| Pears           | 20                 | 100                                  | 20       |  |
| Pineapple       | 20                 | 200                                  |          |  |
| Plums           | 20                 | 100                                  | 20       |  |
| Prunes          | 20                 | 100                                  | 20       |  |
| Raspberries**   | 20                 | 100                                  | 20       |  |
| Walnuts*        | 20                 | 100                                  | 20       |  |

<sup>\*</sup> CA only

Observe stated 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* |  |
|---------------|------|--|
| Aimonds       | **   |  |
| Apples        | 21   |  |
| Apricots      | 21   |  |
| Blackberries  | 7    |  |
| Boysenberries | 7    |  |
| Cherries      | 21   |  |
| Cranberries   | 7    |  |

| Crop          | PHI* |
|---------------|------|
| Dewberries    | 7    |
| Grapes        | 28   |
| Loganberries  | 7    |
| Nectarines    | 21   |
| Peaches       | 21   |
| Pears         | 21   |
| Pineapple     | 7    |
| Plums, Prunes | 21   |
| Raspberries   | 7    |
| Strawberries  | 5    |
| Walnuts       | 45   |

<sup>\*</sup>PHI= Pre-Harvest Interval or the number  $\hat{\sigma}_{1}$  days between the last application and harvest.

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.

| Сгор      | Pest               | Rate                  | Timing/Special Directions                 |
|-----------|--------------------|-----------------------|---|
| Aimonds   | San Jose Scale,    | 1-11/2 lbs.           | Apply as a single dormant spray.          |
| (CA only) | Parlatoria Scale,  | + 2-3 gals.           | Do not apply more than 6 lbs. of          |
|           | Black Scale,       | dormant               | product or 9 gallons of oil per           |
|           | Brown Scale.       | oil or 1-11/2         | acre.                                     |
|           | Apricot Scale,     | gals.                 | 1   |
|           | European Red       | superior              |   |
|           | Mite Eggs, Brown   | type oil in           |   |
|           | Mite Eggs, Twig    | 100 gals.             |   |
|           | Borers, Apple      | of water              |   |
|           | Aphid Eggs, Black  | ļ                     |   |
|           | Cherry Aphid Eggs, |                       |   |
|           | Mealy Plum Aphid   |                       |   |
|           | Eggs, Mealybugs    |                       |   |
| Apples    | San Jose Scale,    | 1 lb. + 2             | Apply as a dormant or delayed             |
|           | Parlatoria Scale,  | gals.                 | dormant spray. Do not apply               |
|           | Black Scale, Brown | dormant oil           | more than 4 lbs. of product or 6          |
|           | Scale, Apricot     | or 1-1½               | gallons of oil per acre.                  |
|           | Scale, European    | gals.                 |   |
|           | Red Mite Eggs,     | superior              |   |
|           | Brown Mite Eggs,   | type oil in           |   |
|           | Twig Borers, Apple |                       |   |
|           | Aphid Eggs, Black  | of water              |   |
|           | Cherry Aphid Eggs, |                       |   |
|           | Mealy Plum Aphid   |                       |   |
|           | Eggs, Mealybugs    |                       |   |
|           | Leafhoppers        | 1 lb. in              | Apply, beginning at petal fall, as        |
|           |                    | 100 gals.             | infestations develop. Repeat              |
|           |                    | of water              | application in 14 days if                 |
|           |                    |                       | necessary.                                |
|           | Eyespotted Bud     | 1 lb. in              | Make 3 cover sprays, beginning            |
|           | Moths, Fruit Tree  | 100 gals.             | at pink stage. Do not repeat              |
|           | Leafrollers,       | of water              | application closer than 14 days.          |
|           | Mealybugs          |                       |   |
|           | Codling Moths,     | 1 lb. in              | Make 3 cover sprays, beginning            |
|           | Rosy Apple         | 100 gats.             | when infestations occur. Do not           |
|           | Aphids, Green      | of water              | repeat applications closer than           |
|           | Apple Aphids,      |                       | 14 days.                                  |
|           | Woolly Apple       |                       | No. 1. 1 Aires will be a superior of it   |
|           | Aphids, Spider     | į                     | Note: Mites will be suppressed i          |
|           | Mites              | ]                     | diazinon is used in the regular           |
|           |                    |                       | cover spray program. Slight rus-          |
|           |                    |                       | seting may occur on some vari-            |
|           |                    |                       | eties of apples such as Golden Delicious. |
|           | Apple Maggots      | 1 lb. in              | Make 3 cover sprays when flies            |
|           | Apple Maggots      | 100 gals.             | are active and laying eggs. Do            |
|           |                    | of water              | not repeat applications closer            |
|           |                    | oi watei              | than 14 days.                             |
|           |                    |                       | man 14 uays.                              |
|           |                    |                       | Mater Diagings may not control            |
|           |                    |                       | Note: Diazinon may not control            |
|           |                    | 1                     | organophosphate-resistant apple           |
|           | San Jose Scale     | 1 lb. in              | maggots.                                  |
|           |                    |                       | Apply early in the season when            |
|           | Crawlers, Forbes   | 100 gals.<br>of water | crawlers first appear. If infesta-        |
|           | Scale Crawlers     | Or water              | tion warrants, make a second              |
|           |                    |                       | application 14 days 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.

<sup>\*\*</sup>CA, Off, or WA only

<sup>\*\*=</sup> Dormant spray only.

Rate

Crop

Pest

Timing/Special Directions

| Crop           | Pest  | Rate  | Timing/Special Directions   |
|----------------|---|---|---|
| Apricots       | San Jose Scale,   | 1 lb. + 2   | Apply as a dormant spray. Do not  |
|                | Parlatoria Scale,   | gals.   | apply more than 4 lbs. of product   |
|                | Black Scale   | dormant   | or 6 gallons of oil per acre.   |
|                | Brown Scale,  | oil or 1-11/2   |   |
|                | Apricot Scale,  | gals.   |   |
|                | European Red Mite   | superior  |   |
|                | Eggs, Brown Mite  | type oil in   | }   |
|                | Eggs, Twig borers,  | 100 gals.   |   |
|                | Apple Aphid Eggs,   | of water  |   |
|                | Black Cherry Aphid  | Or Water  |   |
|                |   |   |   |
|                | Eggs, Mealy Plum  | <u> </u>  |   |
|                | Aphid Eggs.   |   |   |
|                | Mealybugs   |   |   |
|                | Aphids, Brown   | 1 lb. in  | Apply as infestations occur.  |
|                | Mites (Clover   | 100 gais.   | Repeat application after 14 days  |
|                | Mites), Two-  | of water  | if necessary.   |
|                | Spotted Spider  |   |   |
|                | Mites, Olive Scale  |   |   |
|                | Crawlers, San Jose  |   |   |
|                | Scale Crawlers  |   |   |
|                | Olive Scale   | 1/2 lb. + 11/2  | Apply when scale crawlers are   |
|                | Crawlers  | gals, of light  | present. Do not apply more than   |
|                |   | medium  | 4 lbs. of product or 6 gallons of   |
|                |   | horticultural   | oil per acre per application.   |
|                |   | oil in 100  | on por tare por approaction   |
|                |   | gals. of  |   |
|                |   | water   |   |
|                | Apricot Mealybugs   | 1 lb. in  | Apply as a cover spray from   |
|                | APRICOL MIDAIYOUGS  |   |   |
|                | 1   | 100 gals.   | petal fall to June. Allow 14 days   |
|                |   | of water  | between applications.   |
|                |   |   | oduct per acre per application and no   |
|                |   |   | son. (2) To avoid illegal residues, allow   |
|                | 21 days between th  |   |   |
| Caneberries    |   | 2 lbs. per  | Apply as insects occur. Repeat  |
| CA, OR,        | Thrips, Aphids,   | acre in a   | application after 14 days if  |
|                | Two-Spotted   | minimum   | necessary. Do not make more   |
| Blackberries,  | 1 - '   |   | than 5 applications per season.   |
| Boysenberries, | Raspberry   | of water  | Do not apply within 7 days of   |
| Dewberries,    | Fruitworms  | (200 gals.  | harvest or illegal residues may   |
| _oganberries,  |   | of water  | occur.  |
| Raspberries)   |   | maximum)  |   |
|                |   |   | For raspberry fruitworm make  |
|                |   |   | one application when blossom  |
|                |   |   | buds separate. Make a second  |
|                | 1   | ,   | application immediately before  |
|                | !   |   | blossoms open.  |
|                | Dryberry Mites  | 2-4 lbs. per  | Apply as a dormant spray in the   |
|                | ,,  | acre in a   | early Spring, when canes are still  |
|                |   | minimum   | on the ground and buds are  |
|                |   | of 100 gals.  | closed. Make a second   |
|                |   | of water  | application when buds are well  |
|                |   | OI Water  |   |
|                | L   | 4 lbo ====  | developed but still closed.   |
|                | Darphass. Carrie  |   | Apply as a drench to the crown  |
|                | Raspberry Crown   | 4 lbs. per  | and lawer one to thet   |
|                | Borers (Raspberry   | acre in a   | and lower canes in the spring   |
|                |   | acre in a<br>minimum  | and lower canes in the spring before buds break.  |
|                | Borers (Raspberry   | acre in a<br>minimum<br>of 100  |   |
|                | Borers (Raspberry   | acre in a<br>minimum<br>of 100<br>gals. of  |   |
|                | Borers (Raspberry<br>Root Borers)   | acre in a<br>minimum<br>of 100<br>gats. of<br>water   | before buds break.  |
| Cherries       | Borers (Raspberry<br>Root Borers)<br>San Jose Scale,  | acre in a<br>minimum<br>of 100<br>gais. of<br>water<br>11/4 lbs. +  | before buds break.  Apply as a dormant spray. Do not  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale.   | acre in a<br>minimum<br>of 100<br>gals. of<br>water<br>11/4 lbs. +<br>3 gals.   | before buds break.  Apply as a dormant spray. Do not apply more than 4 lbs. of product  |
| Cherries       | Borers (Raspberry<br>Root Borers)<br>San Jose Scale,  | acre in a<br>minimum<br>of 100<br>gais. of<br>water<br>11/4 lbs. +  | before buds break.  Apply as a dormant spray. Do not  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale.   | acre in a<br>minimum<br>of 100<br>gals. of<br>water<br>11/4 lbs. +<br>3 gals.   | before buds break.  Apply as a dormant spray. Do not apply more than 4 lbs. of product  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,   | acre in a<br>minimum<br>of 100<br>gals. of<br>water<br>11/4 lbs. +<br>3 gals.<br>dormant  | before buds break.  Apply as a dormant spray. Do not apply more than 4 lbs. of product  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,   | acre in a minimum of 100 gals. of water 114 lbs. + 3 gals. dormant oil or 1-1½ gals.  | before buds break.  Apply as a dormant spray. Do not apply more than 4 lbs. of product  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>Apricot Scale,   | acre in a minimum of 100 gals. of water 114 lbs. + 3 gals. dormant oil or 1-1½ gals.  | before buds break.  Apply as a dormant spray. Do not apply more than 4 lbs. of product  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>Apricot Scale,<br>European Red Mite<br>Eggs, Brown Mite  | acre in a<br>minimum<br>of 100<br>gals. of<br>water<br>1½ lbs. +<br>3 gals.<br>dormant<br>oil or 1-1½<br>gals.<br>superior<br>type oil in   | before buds break.  Apply as a dormant spray. Do not apply more than 4 lbs. of product  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>Apricot Scale,<br>European Red Mite<br>Eggs, Brown Mite<br>Eggs, Twig borers,  | acre in a minimum of 100 gals. of water 1½ lbs. + 3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals.  | before buds break.  Apply as a dormant spray. Do not apply more than 4 lbs. of product  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>Apricot Scale,<br>European Red Mite<br>Eggs, Brown Mite<br>Eggs, Twig borers,<br>Apple Aphid Eggs,   | acre in a minimum of 100 gals. of water 1½ lbs. + 3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals.  | before buds break.  Apply as a dormant spray. Do not apply more than 4 lbs. of product  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>Apricot Scale,<br>European Red Mite<br>Eggs, Brown Mite<br>Eggs, Twig borers,<br>Apple Aphid Eggs,<br>Black Cherry Aphid   | acre in a minimum of 100 gals. of water 1½ lbs. + 3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals.  | before buds break.  Apply as a dormant spray. Do not apply more than 4 lbs. of product  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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   | acre in a minimum of 100 gals. of water 1½ lbs. + 3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals.  | before buds break.  Apply as a dormant spray. Do not apply more than 4 lbs. of product  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,  | acre in a minimum of 100 gals. of water 1½ lbs. + 3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals.  | before buds break.  Apply as a dormant spray. Do not apply more than 4 lbs. of product  |
| Cherries       | Borers (Raspberry<br>Root Borers)  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   | acre in a minimum of 100 gals. of water 1½ lbs. + 3 gals. dormant oil or 1-1½ 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 gallons of oil per acre.  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,<br>Mealybugs<br>Eyespotted Bud                                     | acre in a minimum of 100 gats. of water 1½ lbs. + 3 gals. dormant oil or 1-1½ 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 gallons of oil per acre.  Apply as infestations occur   |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,<br>Mealybugs<br>Eyespotted Bud<br>Moths, Fruit Tree                | acre in a minimum of 100 gats. of water 1½ lbs. + 3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water 1 lb. in 100 gals.  | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as infestations occur beginning at petal fall. Repeat   |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,<br>Mealybugs<br>Eyespotted Bud                                     | acre in a minimum of 100 gats. of water 1½ lbs. + 3 gals. dormant oil or 1-1½ 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 gallons of oil per acre.  Apply as infestations occur beginning at petal fall. Repeat application after 7 days if   |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,<br>Mealybugs<br>Eyespotted Bud<br>Moths, Fruit Tree<br>Leafrollers | acre in a minimum of 100 gals. of water 1½ lbs. + 3 gals. superior type oil in 100 gals. of water 1 lb. in 100 gals. of water   | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as infestations occur beginning at petal fall. Repeat application after 7 days if necessary.  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,<br>Mealybugs<br>Eyespotted Bud<br>Moths, Fruit Tree                | acre in a minimum of 100 gats. of water 1½ lbs. + 3 gats. dormant oil or 1-1½ gats. superior type oil in 100 gats. of water 1 lb. in 100 gats. of water 1 lb. in  | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as infestations occur beginning at petal fall. Repeat application after 7 days if necessary.  Make 3-4 applications beginning   |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,<br>Mealybugs<br>Eyespotted Bud<br>Moths, Fruit Tree<br>Leafrollers | acre in a minimum of 100 gats. of water 11½ lbs. + 3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water 1 lb. in 100 gals. of water 1 lb. in 100 gals.   | Apply as a dormant spray. Do not apply more than 4 lbs, of product or 6 gallons of oil per acre.  Apply as infestations occur beginning at petal fall. Repeat application after 7 days if necessary.  Make 3-4 applications beginning at petal fall and continuing  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,<br>Mealybugs<br>Eyespotted Bud<br>Moths, Fruit Tree<br>Leafrollers | acre in a minimum of 100 gats. of water 1½ lbs. + 3 gats. dormant oil or 1-1½ gats. superior type oil in 100 gats. of water 1 lb. in 100 gats. of water 1 lb. in  | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as infestations occur beginning at petal fall. Repeat application after 7 days if necessary.  Make 3-4 applications beginning at petal fall and continuing through the growing season as  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,<br>Mealybugs<br>Eyespotted Bud<br>Moths, Fruit Tree<br>Leafrollers | acre in a minimum of 100 gats. of water 11½ lbs. + 3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water 1 lb. in 100 gals. of water 1 lb. in 100 gals.   | Apply as a dormant spray. Do not apply more than 4 lbs, of product or 6 gallons of oil per acre.  Apply as infestations occur beginning at petal fall. Repeat application after 7 days if necessary.  Make 3-4 applications beginning at petal fall and continuing  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,<br>Mealybugs<br>Eyespotted Bud<br>Moths, Fruit Tree<br>Leafrollers | acre in a minimum of 100 gats. of water 1½ lbs. + 3 gats. dormant oil or 1-1½ gats. superior type oil in 100 gats. of water 1 lb. in 100 gats. of water 1 lb. in 100 gats. of water   | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as infestations occur beginning at petal fall. Repeat application after 7 days if necessary.  Make 3-4 applications beginning at petal fall and continuing through the growing season as  |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,<br>Mealybugs<br>Eyespotted Bud<br>Moths, Fruit Tree<br>Leafrollers | acre in a minimum of 100 gats. of water 11½ lbs. + 3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water 1 lb. in 100 gals. of water 1 lb. in 100 gals.   | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as infestations occur beginning at petal fall. Repeat application after 7 days if necessary.  Make 3-4 applications beginning at petal fall and continuing through the growing season as infestations occur. Allow 7 days   |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,<br>Mealybugs<br>Eyespotted Bud<br>Moths, Fruit Tree<br>Leafrollers | acre in a minimum of 100 gats. of water 1½ lbs. + 3 gats. dormant oil or 1-1½ gats. superior type oil in 100 gats. of water 1 lb. in 100 gats. of water 1 lb. in 100 gats. of water   | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as infestations occur beginning at petal fall. Repeat application after 7 days if necessary.  Make 3-4 applications beginning at petal fall and continuing through the growing season as infestations occur. Allow 7 days between applications.   |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,<br>Mealybugs<br>Eyespotted Bud<br>Moths, Fruit Tree<br>Leafrollers | acre in a minimum of 100 gats. of water 1½ lbs. + 3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water 1 lb. in 100 gals. of water 1 lb. in 100 gals. of water 1½-1 lb. in 100 gals. of water 1/½-1 lb. in 100 gals. | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as infestations occur beginning at petal fall. Repeat application after 7 days if necessary.  Make 3-4 applications beginning at petal fall and continuing through the growing season as infestations occur. Allow 7 days between applications.  Make 3-4 applications beginning when adult flies begin to emerge |
| Cherries       | Borers (Raspberry<br>Root Borers)  San Jose Scale,<br>Parlatoria Scale,<br>Black Scale,<br>Brown Scale,<br>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,<br>Mealybugs<br>Eyespotted Bud<br>Moths, Fruit Tree<br>Leafrollers | acre in a minimum of 100 gats. of water 1½ lbs. + 3 gats. dormant oil or 1-1½ gats. superior type oil in 100 gats. of water 1 lb. in 100 gats. of water 1 lb. in 100 gats. of water 1½-1 lb. in 100 gats. of water                        | Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as infestations occur beginning at petal fall. Repeat application after 7 days if necessary.  Make 3-4 applications beginning at petal fall and continuing through the growing season as infestations occur. Allow 7 days between applications.  Make 3-4 applications beginning                                  |

| Crop         | Pest                 | Rate          | Timing/Special Directions  |
|--------------|----------------------|---------------|--|
| Cherries     | Black Cherry         | 1 lb. in      | Apply as a cover spray when  |
| cont'd.:     | Aphids               | 100 gals.     | aphids appear. Repeat applica-   |
|              | 1                    | of water      | tion after 10 days if necessary.   |
|              | San Jose Scale       | 1 lb. in      | Apply during the pre-pink stage  |
|              | Crawlers             | 100 gals.     | or when crawlers first appear.   |
|              |                      | of water      |  |
|              | Cherry Rust Mites    | ½-1 lb. in    | Apply as a single supplemental   |
|              |                      | 100 gals.     | spray to trees after harvest.  |
|              |                      | of water      |  |
| no more than | 12 lbs. of product p | er acre per   | roduct per acre per application and year. (2) To avoid illegal residues, |
|              |                      |               | application and harvest.   |
| Cranberries  | Blackheaded          | 4 lbs. in a   | Apply when pest appears.   |
|              | Fireworms            | minimum       | Repeat application after 14 days   |
|              |                      | of 15 gals.   | if necessary. A maximum of 6   |
|              |                      | of water per  | applications per season is   |
|              | 1                    | acre for      | permitted.   |
|              |                      | ground        |  |
|              | 1                    | application   | l  |
|              |                      | and up to     |  |
|              |                      | 400 gals.     |  |
|              |                      | of water per  |  |
|              |                      | acre for      |  |
|              |                      | chemigation   |  |
|              | Cranberry            | 6 lbs. in a   | Apply when pest appears.   |
|              | Fruitworms           | minimum       | Repeat application after 14 days   |
|              |                      | of 15 gals.   | if necessary. A maximum of 4   |
|              |                      | of water per  | applications per season is   |
|              |                      | acre for      | permitted.   |
|              |                      | ground        |  |
|              |                      | application   |  |
|              |                      | and up to     |  |
|              |                      | 400 gats.     |  |
|              | }                    | of water per, |  |
|              |                      | acre for      |  |
|              |                      |               |  |
|              |                      | chemigation   |  |

Refer to the Chemigation section for specific chemigation directions for use. (2) To avoid illegal residues, allow a minimum of 7 days between the last application and ha Grapes

| rvest    |   |   |   |
|----------|---|---|---|
| S        | Pacific Spider<br>Mites, Leafhoppers,<br>Grape Berry Moths,<br>Grape Leaffolders,<br>Omnivorous<br>Leafrollers, Aphids,<br>Spider Mites | minimum<br>of 100 gals.<br>of water   | when pest appears. Repeat application after 7 days if |
|          | Drosophila spp.   | 6 oz. per<br>acre in a<br>minimum of<br>100 gals. of<br>water (300<br>gals. of<br>water<br>maximum) | Apply as a thorough cover spray at 7 day intervals.   |
| : (1) Do | not apply more tha  | n 2 lhs of D  | roduct 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. 1 lb. + 2-3 and Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre. Nectarines San Jose Scale. Parlatoria Scale, Black Scale, Brown dormant Scale, European oil or 1-11/2 Red Mite Eggs, gals. Twig Borers, Apple Aphid Eggs, Black superior type oil in Cherry Aphid Eggs, 100 gals Mealy Plum Aphid of water 100 gals. Eggs, Mealybugs Aphids, Brown 1 lb. in 100 Apply as infestations occur. Mites (Clover Mites) gals. of Repeat application after 7 days if Two-Spotted Spider watern necessary. Mites, Olive Scale Crawlers, San Jose Scale Crawlers Apply at petal fall. Do not apply Peach Twig Borers, Parlatoria Scale gal. light more than 4 lbs. of product or 4 medium gallons of summer oil per acre. summer horticultural oil in 100 gals. of water Olive Scale 1/2 lb. + 11/2 Apply as insects occur. Do not apply more than 4 lbs. of product Crawlers gals. light medium or 4 gallons of summer oil per horticultural acre per application. Allow 7 days between applications. oil in 100

gals. of water

|                             |   | Rate   | Timing/Special Directions  |
|-----------------------------|---|--|--|
| Nectarines  <br>cont'd.:    | Oriental Fruitmoths   | 11 lb. in<br>100 gals.   | Apply at 100% petal fall. Make 2 additional applications at 10-15  |
| contu.:                     |   | of water   | day intervals. Time the last   |
|                             |   |  | application to peak adult flight.  |
| Notes: (1) Do               | not apply more tha  | n 4 lbs. of p  | roduct per acre per application and  |
| no more than                | 12 lbs. of product p  | er acre per :  | season. (2) To avoid illegal residues, application and harvest.  |
| Peaches                     | San Jose Scale.   | 1 lb. + 2-3  | Apply as a dormant spray. Do not   |
| . 04000                     | Parlatoria Scale,   | gals.  | apply more than 4 lbs. of product  |
| f                           |   |  | or 6 gallons of oil per acre.  |
|                             | Scale, Apricot<br>Scale, European   | or 1-1½<br>gals.   |  |
|                             | Red Mite Eggs,  | superior   |  |
|                             | Brown Mite Eggs,  | type oil in  |  |
|                             | Twig Borers, Apple<br>Aphid Eggs, Black   |  |  |
|                             | Cherry Aphid Eggs,  |  |  |
|                             | Mealy Plum Aphid  |  |  |
|                             | Eggs, Mealybugs   | 4 15 :-  | A lu luda lud |
|                             | Aphids, Brown<br>Mites (Clover Mites),  | 1 lb. in<br>100 gals.  | Apply as infestations occur. Repeat application after 14 days  |
|                             | Two-Spotted Spider  |  | if necessary.  |
|                             | Mites, Olive Scale  |  | ·  |
|                             | Crawlers, San Jose  |  |  |
|                             | Scale Crawlers Peach Twig Borers,   | 1 lb. + 1  | Apply at petal fall. Do not apply  |
|                             | Parlatoria Scale  | gal. light   | more than 4 lbs. of product or 4   |
|                             |   | medium   | gallons of oil per acre.   |
|                             | }   | summer<br>horticultural  |  |
|                             |   | oil in 100   |  |
|                             |   | gals. of   |  |
| ļ                           | Olive Scale   | water<br>½ lb. + 1½  | Apply as insects occur. Do not   |
| ļ                           | Crawlers  | gals, light  | apply more than 4 lbs. of product  |
|                             |   | medium   | or 4 gallons of summer oil per   |
|                             |   | horticultural<br>oil in 100  | acre per application. Allow 7 days between applications.   |
|                             |   | gals. of   | days between applications.   |
|                             |   | water  |  |
|                             | Oriental Fruit<br>Moths   | 1 lb. in 100<br>gais. of   | Apply at 100% petal fall. Make 2 additional applications at 10-15  |
|                             | Willing   | water  | day intervals. Time the last   |
|                             |   |  | application to peak adult flight.  |
| f                           | Peach Twig Borers   | 1 lb. in   | Apply as insects occur in May  |
|                             |   | 100 gals.<br>of water  | and June. Allow 7 days between applications.   |
|                             | Leafhoppers   | 1 lb. in   | Make 3-4 applications beginning  |
|                             |   | 100 gals.  | at petal fall and continuing   |
|                             |   | of water   | through the growing season.<br>Allow at least 7 days between   |
|                             |   |  | applications.  |
|                             | White Peach Scale   |  | Apply post harvest timed to coin-  |
|                             |   | gals. of   | immature scale activity. Under   |
|                             |   | water  | conditions of heavy infestation 2  |
|                             |   |  | applications (7 days apart) may  |
|                             |   |  | be needed.   |
| Notes: (1) Do               | not apply more that   | n 4 lbs of n   |  |
|                             |   |  | roduct per acre per application and season. (2) To avoid illegal residues,   |
| no more than allow a minimu | 12 lbs, of product pe<br>um of 21 days between  | er acre per s<br>een the last  | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.   |
| no more than                | 12 lbs, of product pe<br>um of 21 days betwee<br>San Jose Scale,  | er acre per s<br>en the last<br>1 lb. + 2-3  | oduct per acre per application and<br>season. (2) To avoid illegal residues,<br>application and harvest.<br>Apply as a dormant spray. Do not   |
| no more than allow a minimu | 12 lbs, of product pe<br>um of 21 days between  | er acre per s<br>een the last  | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.   |
| no more than allow a minimu | 12 lbs, of product pour of 21 days between San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale,  | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½  | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product   |
| no more than allow a minimu | 12 lbs, of product pum of 21 days between San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale,  | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals.  | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product   |
| no more than allow a minimu | 12 lbs. of product pour of 21 days between San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red  | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior   | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product   |
| no more than allow a minimu | 12 lbs, of product pum of 21 days between San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear  | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals.   | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product   |
| no more than allow a minimu | 12 lbs, of product pum of 21 days between San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear Leaf Blister Mite  | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in   | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product   |
| no more than allow a minimu | 12 lbs, of product pum of 21 days between San Jose Scale, Parlatoria Scale, Black Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear Leaf Blister Mite Eggs, Twig Borers,  | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals.   | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product   |
| no more than allow a minimu | 12 lbs, of product pum of 21 days between San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear Leaf Blister Mite  | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals.   | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product   |
| no more than allow a minimu | 12 lbs, of product pour of 21 days between San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear Leaf Blister Mite Eggs, Twig Borers, Apple Aphild Eggs, Black Cherry Aphild Eggs, Mealy Plum  | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals.   | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product   |
| no more than allow a minimu | 12 lbs, of product pum of 21 days between San Jose Scale, Parlatoria Scale, Black Scale, Apricot Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear Leaf Blister Mite Eggs, Twig Borers, Apple Aphid Eggs, Mealy Plum Aphid Eggs,  | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals.   | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product   |
| no more than allow a minimu | 12 lbs, of product pum of 21 days between 21 days between 25 dale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear Leaf Blister Mite Eggs, Twig Borers, Apple Aphid Eggs, Mealy Plum Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs  | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals.   | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.   |
| no more than allow a minimu | 12 lbs, of product pum of 21 days between San Jose Scale, Parlatoria Scale, Black Scale, Apricot Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear Leaf Blister Mite Eggs, Twig Borers, Apple Aphid Eggs, Mealy Plum Aphid Eggs,  | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water ½-1 lb. in 100 gals.                                   | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as a cover spray at prepink stage. Make 1-2 additional   |
| no more than allow a minimu | 12 lbs, of product pum of 21 days between 21 days between 25 dale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear Leaf Blister Mite Eggs, Twig Borers, Apple Aphid Eggs, Mealy Plum Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs  | er acre per seen the last  1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water   | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as a cover spray at prepink stage. Make 1-2 additional applications during the first and   |
| no more than allow a minimu | 12 lbs, of product pum of 21 days between 21 days between 25 dale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear Leaf Blister Mite Eggs, Twig Borers, Apple Aphid Eggs, Mealy Plum Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs  | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water ½-1 lb. in 100 gals.                                   | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as a cover spray at prepink stage. Make 1-2 additional applications during the first and second cover sprays, if neces-  |
| no more than allow a minimu | 12 lbs, of product pum of 21 days between 21 days between 25 dale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear Leaf Blister Mite Eggs, Twig Borers, Apple Aphid Eggs, Mealy Plum Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs  | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water ½-1 lb. in 100 gals.                                   | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as a cover spray at prepink stage. Make 1-2 additional applications during the first and   |
| no more than allow a minimu | 12 lbs, of product pour of 21 days between San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear Leaf Blister Mite Eggs, Twig Borers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs Pear Psylla                             | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water 1/2-1 lb. in 100 gals. of water 1/2-1 lb. in 100 gals. | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest.  Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as a cover spray at prepink stage. Make 1-2 additional applications during the first and second cover sprays, if necessary. Allow at least 14 days between applications.  Make 3 cover sprays, beginning   |
| no more than allow a minimu | 12 lbs, of product pour of 21 days between 21 days between 25 date, Parlatoria Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear Leaf Blister Mite Eggs, Twig Borers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs, Pear Psylla | er acre per seen the last 1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water 1/2-1 lb. in 100 gals. of water 1/2-1 lb. in 100 gals. | oduct per acre per application and season. (2) To avoid illegal residues, application and harvest. Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gallons of oil per acre.  Apply as a cover spray at prepink stage. Make 1-2 additional applications during the first and second cover sprays, if necessary. Allow at least 14 days between applications.  |

| Crop         | Pest                                    | Rate               | Timing/Special Directions  |
|--------------|---|--------------------|--|
| Pears        | Codling Moths,                          | 1 lb. in           | Make 3 cover sprays beginning  |
| cont'd.:     | Rosy Apple Aphids,                      |                    | as infestations occur. Allow at                                      |
|              | Green Apple                             | of water           | least 14 days between  |
|              | Aphids, Woolly                          | 1                  | applications.  |
|              | Apple Aphids,                           |                    | Note: Miss will be suppressed if                                     |
|              | Spider Mites                            |                    | Note: Mites will be suppressed if                                    |
|              |   |                    | diazinon is used in this regular                                     |
|              | Apple Maggets                           | 1 th in            | cover spray program.   |
|              | Apple Maggots                           | 1 lb. in           | Make 3 cover sprays when flies                                       |
|              |   | 100 gals.          | are active and laying eggs. Allow                                    |
|              | Ì                                       | of water           | at least 14 days between applications.                               |
|              |   | 1                  | apprications.  |
|              |   | i                  | Note: Diazinon will not control                                      |
|              | ļ                                       |                    | organophosphate resistant apple                                      |
|              | 1                                       |                    | maggot.  |
|              | San Jose Scale                          | 1 lb. in           | Apply early in the season when                                       |
|              | Crawlers, Forbes                        | 100 gals.          | crawlers first appear. If infesta-                                   |
|              | Scale Crawlers                          | of water           | tion warrants, make a second   |
|              |   |                    | application 14 days later.   |
| Notes: (1) D | o not apply more tha                    | n 4 lbs. of p      | roduct per acre per application and                                  |
|              |   |                    | season. (2) To avoid illegal residues                                |
|              |   |                    | application and harvest.   |
| Pineapple    | Pineapple                               | 2 lbs. per         | Repeat application as necessary                                      |
|              | Mealybugs                               |                    | every 28 days up to a maximum  |
|              | ,5-                                     | -500 gals.         | of 8 applications. Do not apply                                      |
|              |   | of water           | within 7 days of harvest or illegal                                  |
|              |   |                    | residues may occur.  |
|              |   |                    | Pineapple forage and refuse may                                      |
|              | ]                                       | l                  | not be fed to livestock.   |
| Plums        | San Jose Scale,                         | 1 lb. + 2-3        | Apply as a dormant spray. Do not                                     |
|              | Pariatoria Scale,                       | gals.              | apply more than 4 lbs. of product                                    |
|              | Black Scale, Brown                      | dormant            | or 6 gallons of oil per acre. If                                     |
|              | Scale, Apricot                          | oil or 1-11/2      |  |
|              | Scale, European                         | gals.              | diazinon with 1 gallon of light                                      |
|              | Red Mite Eggs,                          | superior           | medium summer horticultural oil                                      |
|              | Brown Mite Eggs,                        | type oil in        | per 100 gallons of water.  |
|              | Twig Borers, Apple                      | 100 gals.          | , -  |
|              | Aphid Eggs, Black                       | of water           |  |
|              | Cherry Aphid Eggs,                      | Į.                 |  |
|              | Mealy Plum Aphid                        |                    |  |
|              | Eggs, Mealybugs                         | L                  |  |
|              | Brown Mites,                            | 1 lb. in           | Apply as needed every 7 days.  |
|              | Clover Mites,                           | 100 gals.          |  |
|              | European Red                            | of water           |  |
|              | Mites                                   |                    |  |
|              | Leafcurl Plum                           | 1/2-1 lb. in       |  |
|              | Aphids, Mealy                           | 100 gals           |  |
|              | Plum Aphids,                            | of water           |  |
| Makaas 145 B | Thistle Aphids                          | 1                  | adiat paragraph and the street                                       |
|              |   |                    | roduct per acre per application and                                  |
|              |   |                    | season. (2) To avoid illegal residues                                |
|              |   |                    | Application and harvest.   |
| riunes       |   |                    | Apply as a dormant spray. Do not                                     |
|              | Parlatoria Scale,                       | gals.              | apply more than 4 lbs. of product                                    |
|              | Black Scale, Brown                      |                    | or 6 gallons of oil per acre. For                                    |
|              | Scale, Apricot                          | oil or 1-11/2      |  |
|              | Scale, European                         | gals.              | mix diazinon with 1 gallon of light                                  |
|              | Red Mite Eggs,<br>Brown Mite Eggs,      | superior           | medium summer horticultural oil                                      |
|              |   | type oil in        | per 100 gallons of water.  |
|              | Twig Borers, Apple<br>Aphid Eggs, Black |                    |  |
|              | Cherry Aphid Eggs,                      |                    |  |
|              | Mealy Plum Aphid                        |                    |  |
|              | Eggs, Mealybugs                         | ]                  |  |
|              | Brown Mites,                            | 1 lb. in           | Apply as needed every 7 days.  |
|              | Clover Mites,                           | 100 gals           |  |
|              | European Red                            | of water           |  |
|              | Mites                                   | 3,                 |  |
|              | Leafcurl Plum                           | 1/2-1 lb. in       |  |
|              | Aphids, Mealy Plum                      |                    |  |
|              | Aphids, Thistle                         | of water           |  |
|              | Aphids                                  |                    |  |
| Notes: (1) D |   | n 4 lbs. of p      | oduct per acre per application and                                   |
|              |   |                    | season. (2) To avoid illegal residues                                |
|              |   |                    | application and harvest.   |
|              | Aphids, Two-                            | 1 Jb. in           | Apply as pests occur. Repeat   |
|              | Spotted Spider                          | 100 gals.          | application, if necessary, after 7                                   |
|              | Mites                                   | of water           | days.  |
|              | Cyclamen Mites                          | 1 lbs. in          | Direct spray to the plant crowns.                                    |
|              | '                                       | 100 gals.          | Plants should be sufficiently  |
|              |   | of water           | agitated to assure thorough  |
|              |   |                    | coverage of the foliage. Repeat                                      |
|              |   |                    | application after 7 days if  |
|              |   |                    |  |
|              |   |                    | necessarv.   |
|              | Mole Crickets                           | 2 lbs. per         | necessary.  Apply 1-2 days before transplan-                         |
|              | Mole Crickets                           | 2 lbs. per<br>acre | Apply 1-2 days before transplan-<br>ting and immediately incorporate |

| Crop                  | Pest | Rate     | Timing/Special Directions                                     |
|-----------------------|------|----------|---|
| Strawberries cont'd.: |      |          | Apply 200 gallons of spray per acre when blossoms show color. |
|                       |      | of water | Į   |

Notes: (1) Do not make 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     | on and harvest.                        |  |   |
|----------------------|--|--|---|
| Walnuts<br>(CA only) | Aphids, Spider<br>Mites                | 2 lbs. in<br>100 gals.<br>of water<br>per acre | Apply as a foliar spray as needed. Repeat application in 14 days if necessary. Do not make more than 3 applications per |
|                      | Scale Crawlers,<br>Walnut Caterpillars | 6 lbs, in<br>100 gals,<br>of water<br>per acre | season. Do not apply within 45 days of harvest or after husks open or illegal residues may occur.                       |

## VEGETABLE CROPS REI—24 hours

For foliar or soil applications, DIAZINON 50 WP should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil. DIAZINON 50 WP 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.

|                        | Grout                                 |                               |              |
|------------------------|---------------------------------------|-------------------------------|--------------|
|                        | MINIMUM                               | Aerial Application<br>MINIMUM |              |
| Crop                   | '                                     |                               |              |
|                        | Gallons/Acre                          | Gallons/1,000 Sq. Ft.         | Gallons/Acre |
| Beans                  | 10                                    | 2                             | 5            |
| (Lima, Pole, and Snap) |                                       | l "                           |              |
| (succulent only)       | L                                     |                               |              |
| 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            |
| Casabas                | 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            |
| Crenshaws              | 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            |
| Onions (Bulb and       | 10                                    | 2                             | 5            |
| Green)                 |                                       |                               |              |
| Peas (succulent only)  | 10                                    | 2                             | 5            |
| 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            |

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

Observe stated time intervals between last application and harvest as well as intervals between and maximum numbers of applications per season.

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

| Crop                         | PHI* (Days) |
|------------------------------|-------------|
| Beans (Lima, Pole, and Snap) | 7           |
| Beets, Red (Table)           | 14          |
| Broccoli                     | 7           |
| Brussels Sprouts             | 7           |
| Cabbage                      | 21          |
| Cantaloupes                  | 3           |
| Carrots                      | 14          |
| Casabas                      | 3           |
| Cauliflower                  | 7           |
| Chinese Broccoli             | 10          |
| Chinese Cabbage              | 10          |
| Chinese Mustard              | 10          |
| Collards                     | 10          |
| Crenshaws                    | 3           |
| Endive (Escarole)            | 14          |
| Honeydew Melons              | 3           |
| Kale                         | 10          |
| Lettuce (Head and Leaf)      | 14          |
| Muskmelons                   | 3           |
| Mustard                      | 10          |
| Onions (Bulb and Green)      | 14          |
|                              |             |

| Crop           | PHI* (Days) |  |
|----------------|-------------|--|
| Peas           |             |  |
| Persian Melons | 3           |  |
| Radishes       | 14          |  |
| Spinach        | 14          |  |
| Sweet Corn     | 7           |  |
| Tomatoes       | 1           |  |
| Watermelons    | 3           |  |

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

NOTES: (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 sultable 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 peas or beans if these crops or weeds in the treatment area are in bloom, or to corn during the pollen shed period.

| Crop          | Pest               | Rate          | Timing/Special Directions            |
|---------------|--------------------|---------------|--------------------------------------|
| Crop<br>Beans | Cutworms           | 4-8 lbs. per  | Broadcast just before planting       |
|               |                    |               | and immediately incorporate          |
| (Lima, Pole,  |                    | acre or       |                                      |
| and Snap)     | 1                  | 1½-3 oz.      | into the soil. (See Soil             |
| (succulent    |                    | per 1,000     | Incorporation Note.)                 |
| only)         |                    | square feet   |                                      |
|               | Wireworms          | 6-8 lbs. per. |                                      |
|               |                    | acre or 21/4  |                                      |
|               |                    | -3 oz. per    | the top 4-8 inches of soil.          |
|               | Į                  | 1,000         |                                      |
|               |                    | square feet   |                                      |
|               | Black Bean Aphids, | 1-11/2 lbs.   | Apply as insects occur. Repeat       |
|               | Mexican Bean       | per acre or   | application, as necessary, every     |
|               | Beetles, Dipterous | ²/₅ ³/₅ OZ    | 5 days. Do not make more than        |
|               | Leafminers         | per 1,000     | 3 applications per season. Do        |
|               | ,                  | square feet   | not apply within 7 days of           |
|               |                    | ,             | harvest or illegal residues may      |
|               |                    | occur.        | ,                                    |
|               | Cucumber Beetles   | 1/2-3/4 lb.   | Bean forage or bean hay may be       |
|               |                    |               | fed to dairy and beef cattle and     |
|               |                    | 1/s-3/10 OZ.  | sheep. Wait 4 days following         |
|               |                    | per 1,000     | treatment if forage is to be cut for |
|               | 1                  |               |                                      |
|               | '                  | square feet   |                                      |
|               |                    |               | Make cucumber beetle applica-        |
|               | }                  |               | tion in 100 gallons of water per     |
|               | i                  |               | acre.                                |
|               |                    |               | Note: Diazinon will not control      |
|               |                    | 1             | organophosphate-resistant            |
|               |                    |               | leafminers.                          |
|               | Leafhoppers.       | 1 lb. per     | Apply as pests occur. Repeat         |
|               | Spider Mites       | acre or %     | application as necessary every 5     |
|               |                    | oz. per       | days. Do not make more than 3        |
|               |                    | 1,000         | applications per season. Do not      |
|               |                    | square feet   | apply within 7 days of harvest or    |
|               |                    |               | illegal residues may occur.          |
|               |                    |               |                                      |
|               |                    |               | Bean forage or bean hay may be       |
|               | ł                  | }             | fed to dairy and beef cattle and     |
|               |                    |               | sheep. Wait 4 days following         |
|               |                    |               | treatment if forage is to be cut for |
|               |                    |               | hav.                                 |
| Beets, Red    | Cuturosms          | 4-8 lbs. per  |                                      |
|               | Cutworms           | ,             | Broadcast just before planting       |
| (Table)       |                    | acre or       | and immediately incorporate into     |
|               |                    | 1½-3 oz.      | the soil. (See Soil Incorporation    |
|               | }                  | per 1,000     | Note.)                               |
|               |                    | square feet   |                                      |
|               | Mole Crickets      | 2 lbs. per    | Apply to plant beds or fields 1-2    |
|               |                    | acre or ¾     | days before planting, and            |
|               |                    | oz. per       | immediately incorporate into the     |
|               |                    | 1,000         | top 1-2 inches of soil.              |
|               |                    | square feet   |                                      |
|               | Wireworms          | 6-8 lbs. per  | Broadcast just before planting       |
|               |                    | acre or 21/4  | and immediately incorporate into     |
|               |                    | -3 oz. per    | the top 4-8 inches of soil.          |
|               | i                  | 1,000         | ·                                    |
|               |                    | square feet   |                                      |
|               | Aphids, Dipterous  |               |                                      |
|               | Leatminers         | acre or       | application as necessary up to 5     |
|               | - Counting of      | %-% oz.       | times with a minimum of 7 days       |
|               |                    | per 1,000     | between applications. Do not         |
|               | }                  |               |                                      |
|               | '                  | square feet   |                                      |
|               |                    |               | or illegal residues may occur.       |
|               |                    |               |                                      |
|               |                    | !             | Note: Diazinon will not control      |
|               |                    |               | organophosphate-resistant            |
|               | <u> </u>           |               | leafminers.                          |
|               |                    |               |                                      |

| Сгор     | Pest   | Rate  | Timing/Special Directions  |
|----------|--|---|--|
| Broccoli | Root Maggots   |   | Broadcast just before planting or  |
|          |  |   | transplanting and immediately incorporate into the top 3-4   |
|          |  | 1,000   | inches of soil.  |
|          |  | square feet   |  |
|          |  | 4-8 oz. in  | In transplant water as a drench application when 200-300   |
|          |  | 50 gals.<br>of water  | gallons of water are used per  |
|          |  | acre.   | Apply 1/2-1 cup (4 to 8 oz.)   |
|          |  |   | per plant by hand or by tractor  |
|          |  |   | mounted sprayer equipped with  |
|          |  |   | drop nozzies to direct spray to the base of the plant.   |
|          |  | ,   | Note: Transplant water treat-  |
|          |  | 1   | ments may result in stand reduc-   |
|          |  |   | tion due to plant stress at time of  |
|          | Cutworms   | 4-8 lbs.  | transplanting. Broadcast just before planting  |
|          |  | per acre or   | and immediately incorporate into   |
|          |  | 1½-3 oz.  | the soil. (See Soil Incorporation  |
|          | )  | per 1,000   | Note.)   |
|          | Mole Crickets  | square teet<br>2 lbs. per   | Apply to plant beds or fields 1-2  |
|          | The Chicketo   | acre or 34  | days before planting and   |
|          |  | oz. per   | immediately incorporate into the   |
|          |  | 1,000   | top 1-2 inches of soil.  |
|          | Wiireworms   | square feet<br>6-8 lbs. per   | Broadcast just before planting   |
|          | 11   |   | and immediately incorporate into   |
|          |  | -3 oz. per  | the top 4-8 inches of soil.  |
|          |  | 1,000   |  |
|          | Aphids, Diamond  | square feet   | Apply as insects occur. Repeat   |
|          | back Moths,  | acre or   | application, as necessary, up to   |
|          | Imported Cabbage   | 1/s-2/s OZ.   | 5 times, with a minimum of 7   |
|          | worms, Dipterous   | per 1,000   | days between applications.   |
|          | Leatminers   | square feet   | Do not apply within 7 days of  |
|          |  |   | harvest, or illegal residues may   |
| !        |  |   | occur.   |
|          |  |   | No. 4. Principle of the control  |
|          |  |   | Note: Diazinon will not control<br>organophosphate-resistant   |
|          |  | i   | leafminers.  |
| Brussels | Root Maggots   | 4-6 lbs. per  |  |
| Sprouts  |  | acre or   | transplanting and immediately  |
|          |  | 1½-2¼ oz.<br>per 1,000  | incorporate into the top 3-4 inches of soil.   |
|          |  | square feet   | 11101163 01 3011.  |
|          |  | 4-8 oz. in  | in transplant water as a drench  |
|          |  | 50 gals.  | application when 200-300   |
|          | }  | of water<br>acre.   | gallons of water are used per<br>Apply ½-1 cup (4 to 8 oz.)  |
|          |  | acie.   | per plant by hand or by tractor  |
|          |  |   | mounted sprayer equipped with  |
|          | ļ  |   | drop nozzles to direct spray to  |
|          |  |   | the base of the plant.   |
|          |  |   | Note: Transplant water treat-  |
|          |  |   | ments may result in stand reduc-   |
|          |  |   | tion due to plant stress at time of  |
|          | 1  |   | transplanting. Broadcast just before planting  |
|          | Cutworms   | 14-Rilhe nor  |  |
|          | Cutworms   | 4-8 lbs. per<br> acre or  | and incorporate into the soil.   |
|          | Cutworms   | acre or<br>1½-3 oz.   |  |
|          | Cutworms   | acre or<br>1½-3 oz.<br>per 1,000  | and incorporate into the soil  |
|          |  | acre or<br>1½-3 oz.<br>per 1,000<br>square feet   | and incorporate into the soil.<br>(See Soil Incorporation Note.)   |
|          | Cutworms  Mole Crickets  | acre or<br>1½-3 oz.<br>per 1,000  | and incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds1-2 days   |
|          |  | acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 lbs. per   | and incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds1-2 days before planting and immediately incorporate into the top 1-2  |
|          |  | acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 ibs. per<br>acre or ¾<br>oz. per<br>1,000  | and incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds1-2 days before planting and immediately   |
|          | Mole Crickets  | acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 ibs. per<br>acre or ¾<br>oz. per<br>1,000<br>square feet   | and incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  |
|          |  | acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 ibs. per<br>acre or ¾<br>oz. per<br>1,000<br>square feet<br>6-8 ibs. per   | and incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting  |
|          | Mole Crickets  | acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 lbs. per<br>acre or ¾<br>oz. per<br>1,000<br>square feet<br>6-8 lbs. per<br>acre or 2¼   | and incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  |
|          | Mole Crickets  | acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 ibs. per<br>acre or ¾<br>oz. per<br>1,000<br>square feet<br>6-8 ibs. per   | and incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into   |
|          | Mole Crickets  Wireworms   | acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 ibs. per<br>acre or ¾<br>oz. per<br>1,000<br>square feet<br>6-8 ibs. per<br>acre or 2¼<br>-3 oz. per<br>1,000<br>square feet   | and incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.   |
|          | Mole Crickets  Wireworms  Aphids, Diamond                              | acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 ibs. per<br>acre or ¾<br>oz. per<br>1,000<br>square feet<br>6-8 ibs. per<br>acre or 2¼<br>-3 oz. per<br>1,000<br>square feet<br>½-1 ib. per                                | and incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat   |
|          | Mole Crickets  Wireworms  Aphids, Diamond back Moths.                  | acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 ibs. per<br>acre or ¾<br>oz. per<br>1,000<br>square feet<br>6-8 ibs. per<br>acre or 2¼-3 oz. per<br>1,000<br>square feet<br>½-1 ib. per<br>acre or                         | and incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application, as necessary, up to  |
|          | Mole Crickets  Wireworms  Aphids, Diamond                              | acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 ibs. per<br>acre or ¾<br>oz. per<br>1,000<br>square feet<br>6-8 ibs. per<br>acre or 2¼<br>-3 oz. per<br>1,000<br>square feet<br>½-1 ib. per                                | and incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat   |
|          | Mole Crickets  Wireworms  Aphids, Diamond back Moths, Imported Cabbage | acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 ibs. per<br>acre or ¾<br>oz. per<br>1,000<br>square feet<br>6-8 ibs. per<br>acre or 2¼-3 oz. per<br>1,000<br>square feet<br>½-1 ib. per<br>acre or ½-3 oz.                 | and incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application, as necessary, up to 5 times with a minimum of 7 days between applications. |
|          | Mole Crickets  Wireworms  Aphids, Diamond back Moths, Imported Cabbage | acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 ibs. per<br>acre or ¾<br>oz. per<br>1,000<br>square feet<br>6-8 ibs. per<br>acre or 2¼-3 oz. per<br>1,000<br>square feet<br>½-1 ib. per<br>acre or<br>½-2,02.<br>per 1,000 | and incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application, as necessary, up to 5 times with a minimum of 7                            |

| Сгор        | Pest                                    | Rate                      | Timing/Special Directions  |
|-------------|---|---------------------------|--|
| Cabbage     | Root Maggots                            | 4-6 lbs.                  | Broadcast just before planting   |
|             |   | per acre or               |  |
|             | j                                       | 1½-2¼ oz.                 | into the top 3-4 inches of soil.   |
|             |   | per 1,000                 |  |
|             |   | square teet<br>4-8 oz. in | In transplant water as a drench  |
|             |   | 50 gals.                  | application when 200-300   |
|             |   | of water                  | gallons of water are used per  |
|             |   | ļ                         | acre. Apply 1/2-1 cup (4 to 8 oz.)   |
|             |   |                           | per plant by hand or by tractor  |
|             | }                                       | ł                         | mounted sprayer equipped with  |
|             |   |                           | drop nozzies to direct spray to  |
|             |   |                           | the base of the plant.   |
|             |   | 1                         | Note: Transplant water treat-  |
|             |   |                           | ments may result in stand reduc-   |
|             |   |                           | tion due to plant stress at time of  |
|             |   |                           | transplanting.   |
|             | Cutworms                                |                           | Broadcast just before planting   |
|             |   | acre or 1½                | and immediately incorporate  |
|             | 1                                       | -3 oz. per<br>1,000       | into the soil. (See Incorporation Note.)   |
|             |   | square feet               | Note.)   |
|             | Mole Crickets                           | 2 lbs. per                | Apply to plant beds or fields 1-2  |
|             | William Orionalo                        | acre or 34                | days before planting and   |
|             |   | oz. per                   | immediately incorporate into the   |
|             |   | 1,000                     | top 1-2 inches of soil.  |
|             |   | square feet               |  |
|             | Wireworms                               |                           | Broadcast just before planting   |
|             |   | acre or 2¼                | and immediately incorporate into   |
|             |   | -3 oz. per                | the top 4-8 inches of soil.  |
|             |   | 1,000<br>square feet      |  |
|             | Aphids, Diamond                         |                           | Apply as insects occur. Repeat   |
|             | back Moths,                             | acre or                   | application, as necessary, up to   |
|             | Imported Cabbage                        | 1/s-2/s OZ.               | 5 times with a minimum of 7  |
|             | worms, Dipterous                        | per 1,000                 | days between applications.   |
|             | Leafminers                              | square feet               |  |
|             |   | 1                         | Do not apply within 21 days of   |
|             |   |                           | harvest, or illegal residues may occur.  |
|             |   | l .                       | occur.   |
|             |   |                           | Note: Diazinon will not control  |
|             |   | l                         | organophosphate-resistant  |
|             |   |                           | leafminers.  |
| Carrots     | Cutworms                                | 4-8 lbs.                  | Broadcast just before planting   |
|             |   | per acre                  | and immediately incorporate into   |
|             |   | or 1½-3                   | the soil (See Soil Incorporation   |
|             | }                                       | 02. per                   | Note.)   |
|             |   | 1,000<br>square feet      |  |
|             | Mole Crickets                           | 2 lbs. per                | Apply to plant beds or fields 1-2  |
|             |   | acre or                   | days before planting and   |
|             |   | 34 oz. per                | immediately incorporate into the   |
|             |   | 1,000                     | top 1-2 inches of soil.  |
|             |   | square feet               |  |
|             | Wireworms                               | 6-8 lbs.                  | Broadcast just before planting   |
|             |   | per acre<br>or 2¼-3       | and immediately incorporate into the top 4-8 inches of soil.                                     |
|             |   | oz. per                   | THE TOP THE RICHES OF SOIL   |
|             |   | 1,000                     |  |
|             | L                                       | square feet               |  |
|             | Carrot Rust Fly                         | 4 lbs. per                | Apply as a drench to the seed  |
|             | 1                                       | acre or                   | furrow at planting.  |
|             |   | 1½ oz. per                |  |
|             |   | 1,000                     |  |
|             | Aphids                                  | square feet<br>1 lb. per  | Apply as insects occur. Repeat   |
|             | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | acre or %                 | application, as necessary, up to   |
|             |   | oz. per                   | 5 times with a minimum of 7  |
|             |   | 1,000                     | days between applications.   |
|             | J                                       | square feet               |  |
|             |   |                           | Do not apply within 14 days of   |
|             |   |                           | harvest, or illegal residues may   |
| Cauliflower | Root Magazie                            | 4-6 lbs.                  | occur. Broadcast just before planting or   |
| Jaumowei    | Root Maggots                            | per acre or               | transplanting and immediately  |
|             |   | 1½-2¼ oz.                 | incorporate into the top 3-4   |
|             |   | per 1,000                 | inches of soil.  |
|             | 1                                       | square feet               | <u></u>  |
|             |   | 4-8 oz. in                | In transplant water as a drench  |
|             | 1                                       | 50 gals.                  | application when 200-300   |
|             |   |                           | gallons of water are used per  |
|             |   | of water                  |  |
|             |   | of water<br>acre.         | Apply 1/2-1 cup (4 to 8 oz.)   |
|             |   | 1                         | Apply 1/2-1 cup (4 to 8 oz.) per plant by hand or by tractor                                     |
|             |   | 1                         | Apply 1/2-1 cup (4 to 8 oz.)<br>per plant by hand or by tractor<br>mounted sprayer equipped with |
|             |   | 1                         | Apply 1/2-1 cup (4 to 8 oz.) per plant by hand or by tractor                                     |

| Crop                    | Pest                              | Rate                            | Timing/Special Directions Note: Transplant water treat-            |
|-------------------------|-----------------------------------|---------------------------------|--|
| Cauliflower<br>cont'd.: |                                   |                                 | ments may result in stand reduc-                                   |
| 00.40                   | 1                                 | }                               | tion due to plant stress at time of                                |
|                         |                                   |                                 | transplanting.   |
|                         | Cutworms                          | 4-8 lbs.                        | Broadcast just before planting                                     |
|                         |                                   | per acre or<br>11/2-3 oz.       | and immediately incorporate into the soil, (See Soil Incorporation |
|                         |                                   | per 1,000                       | Note.)   |
|                         |                                   | square feet                     |  |
|                         | Mole Crickets                     | 2 lbs. per                      | Apply to plant beds 1-2 days                                       |
|                         |                                   | acre or ¾                       | before planting and immediately incorporate into the top 1-2       |
|                         |                                   | oz. per<br>1,000<br>square feet | inches of soil   |
|                         | Wireworms                         |                                 | Broadcast just before planting                                     |
|                         |                                   | acre or                         | and immediately incorporate into                                   |
|                         |                                   | 2¼-3 oz.                        | the top 4-8 inches of soil.  |
|                         |                                   | per 1,000<br>square feet        | i  |
|                         | Aphids, Diamond                   |                                 | Apply as insects occur. Repeat                                     |
|                         | back Moths,                       | acre or                         | application, as necessary, up to                                   |
|                         | Imported Cabbage                  | 1/5-2/5 OZ                      | 5 times with a minimum of 7  |
|                         | worms, Dipterous                  | per 1,000<br>square feet        | days between applications.   |
|                         | Leafminers                        | Squale leet                     | Do not apply within 7 days of                                      |
|                         |                                   |                                 | harvest, or illegal residues may occur.                            |
|                         |                                   |                                 | Note: Diazinon will not control                                    |
|                         |                                   | 1                               | organophosphate-resistant  |
|                         |                                   |                                 | leafminers.  |
| Chinese                 | Aphids, Diamond                   |                                 | Apply as insects occur. Repeat                                     |
| Broccoli,               | back Moths,                       | acre or                         | application, as necessary, up to                                   |
| Chinese<br>Cabbana      | Imported Cabbage worms, Dipterous | 1%-2% oz.<br>per 1,000          | 5 times with a minimum of 7 days between applications.             |
| Cabbage,<br>(Bok Choy   | Leafminers                        | square feet                     |  |
| and Napa).              | Leaminicis                        | Square rect                     | Do not apply within 10 days of                                     |
| Chinese                 |                                   |                                 | harvest, or illegal residues may                                   |
| Mustard                 |                                   | 1                               | occur.   |
| (Gai Choy)              |                                   |                                 | <br> Note: Diazinon will not control                               |
|                         |                                   |                                 | organophosphate-resistant  |
|                         |                                   |                                 | leafminers.  |
| Collards                | Cutworms                          | 4-8 lbs. per                    | Broadcast just before planting                                     |
|                         |                                   | acre or                         | and immediately incorporate  |
|                         |                                   | 1½-3 oz.<br>per 1,000           | into the soil. (See Soil<br>Incorporation Note.)                   |
|                         |                                   | square feet                     |  |
|                         | Mole Crickets                     | 2 lbs. per                      | Apply to plant beds or fields 1-2                                  |
|                         |                                   | acre or ¾                       | days before planting and   |
|                         |                                   | oz. per<br>1,000                | immediately incorporate into the top 1-2 inches of soil.           |
|                         |                                   | square feet                     |  |
|                         | Wireworms                         | 6-8 lbs. per                    | Broadcast just before planting                                     |
|                         |                                   | acre or                         | and immediately incorporate into                                   |
|                         |                                   | 12¼-3 oz.<br>per 1,000          | the top 4-8 inches of soil.  |
|                         |                                   | square feet                     |  |
|                         | Aphids, Diamond                   |                                 | Apply as insects occur. Repeat                                     |
|                         | back Moths,                       | acre or                         | application, as necessary, up to                                   |
|                         | Imported Cabbage                  | 1/5-2/5 OZ.                     | 5 times with a minimum of 7  |
|                         | worms, Harlequin<br>Cabbagebugs,  | per 1,000<br>square feet        | days between applications.  Do not apply within 10 days of         |
|                         | Corn Earworms                     | Jaquare reet                    | harvest, or illegal residues may                                   |
|                         |                                   |                                 | occur.   |
| Endive                  | Cutworms                          | 4-8 lbs.                        | Broadcast just before planting                                     |
| (Escarole)              |                                   | per acre or<br>11/2-3 oz.       | and immediately incorporate into the soil. (See Soil Incorporation |
|                         |                                   | per 1,000                       | Note.)   |
|                         |                                   | square feet                     |  |
|                         | Mole Crickets                     | 2 lbs. per                      | Apply to plant beds or fields 1-2                                  |
|                         |                                   | acre or                         | days before planting or  |
|                         |                                   | 34 oz. per<br>1,000             | transplanting and immediately incorporate into the top 1-2         |
|                         |                                   | square feet                     | inches of soil.  |
|                         | Wireworms                         | 6-8 lbs.                        | Broadcast just before planting                                     |
|                         |                                   | per acre or                     | and immediately incorporate 4-8                                    |
|                         |                                   | 2¼-3 oz.                        | inches into soil.  |
|                         |                                   | per 1,000                       |  |
|                         | Aphids, Dipterous                 | square feet                     | Apply as insects occur. Repeat                                     |
|                         | Leafminers                        | acre or                         | application, as necessary, up to                                   |
|                         |                                   | 1/5-2/5 OZ.                     | 5 times with a minimum of 7  |
|                         |                                   | per 1,000                       | days between applications.   |
|                         |                                   | square feet                     | Do not apply within 14 days of                                     |
|                         | 1                                 | l                               | harvest.   |
|                         |                                   |                                 |  |

| Crop                       | Pest                                     | Rate                         | Timing/Special Directions Note: Diazinon will not control  |
|----------------------------|--|------------------------------|--|
| Endive<br>(Escarole)       |  |                              | organophosphate-resistant  |
| (Escarole)<br>cont'd.:     |  |                              | leafminers.  |
| Kale                       | Cutworms                                 | 4-8 lbs. per                 |  |
| Nate                       | Outhorns                                 | acre or                      | and immediately incorporate into   |
|                            |  | 11/2-3 oz.                   | the soil. (See Soil Incorporation  |
|                            |  | per 1,000                    | Note.)   |
|                            |  | square feet                  | ·  |
|                            | Mole Crickets                            | 2 lbs. per                   | Apply to plant beds 1-2 days   |
|                            |  | acre or ¾                    | before planting and immediately  |
|                            |  | oz. per                      | ncorporate into the top 1-2  |
|                            |  |                              | nches of soil.   |
|                            | Milianus                                 | square feet                  | Broadcast just before planting   |
|                            | Wireworms                                | acre or                      | and immediately incorporate into   |
|                            |  | 2¼-3 oz.                     | the top 4-8 inches of soil.  |
|                            |  | per 1,000                    | land top your mondo or dom   |
|                            |  | square feet                  |  |
|                            | Aphids, Diamond                          | 1/2-1 lb. per                | Apply as insects occur. Repeat   |
|                            | back Moths,                              | acre or                      | application, as necessary, up to   |
|                            | Imported Cabbage                         |                              | 5 times, a minimum of 7 days   |
|                            | worms, Hartequin                         | per 1,000                    | between applications.  |
|                            | Cabbagebugs,                             | square feet                  |  |
|                            | Corn Earworms                            |                              | harvest, or illegal residues may   |
| Lattuce (Liena             | Cuturormo                                | 4-8 lbs.                     | Broadcast just before planting   |
| Lettuce (Head<br>and Leaf) | Cutworms                                 | per acre or                  | , , ,  |
| will Loal)                 |  | 1½-3 oz.                     | the soil. (See Soil Incorporation  |
|                            |  | per 1,000                    | Note.)   |
|                            |  | square feet                  |  |
|                            | Mole Crickets                            | 2 lbs. per                   | Apply to plant beds 1-2 days   |
|                            | j  | acre or %                    | before planting and immediately  |
|                            |  | oz. per                      | incorporate into the top 1-2   |
|                            |  | 1,000                        | inches of soil.  |
|                            | Misourosmo                               | square feet                  |  |
|                            | Wireworms                                | acre or                      | Broadcast just before planting<br>and immediately incorporate into   |
|                            |  | 214-3 oz.                    | the top 4-8 inches of soil.  |
|                            |  | per 1,000                    | the top 4-8 inches or son.   |
|                            |  | square                       | feet   |
|                            | Aphids, Dipterous                        | 1/2-1 lb. per                |  |
|                            | Leatminers                               | acre or                      | application, as necessary, up to   |
|                            |  | 1/6-2/5 QZ.                  | 5 times with a minimum of 7  |
|                            |  | per 1,000                    | days between applications. Do  |
|                            |  | square feet                  | not apply within 14 days of  |
|                            |  |                              | harvest.   |
|                            |  |                              | Note: Diazinon will not control  |
|                            |  | ľ                            | organophosphate-resistant  |
| Melons                     | Cutworms                                 | 4-8 lbs per                  | leafminers. Broadcast just before planting   |
| Cantaloupes,               | Cutwonna                                 | acre or                      | and immediately incorporate into   |
| Casabas.                   |  | 1½-3 oz.                     | the soil. (See Soil Incorporation  |
| Crenshaws,                 | J  | per 1,000                    | Note.)   |
| Honeydew,                  |  | square feet                  | ·  |
| Muskmelons,                | Wireworms                                | 6-8 lbs. per                 | Broadcast just before planting   |
| Persians, and              |  | acre or                      | and immediately incorporate into   |
| Hybrids of                 |  | 2¼-3 oz.                     | the top 4-8 inches of soil.  |
| these) and                 |  | per 1,000                    |  |
| Watermelons                | Anhida Dintara                           | square teet<br>1/2-11/2 lbs. |  |
|                            | Aphids, Dipterous<br>Leafminers, Thrips, |                              | Apply as insects occur. Repeat application, as necessary, every  |
|                            | Striped Cucumber                         |                              | 7 days. Do not make more than  |
|                            | Beetles,                                 | per 1,000                    | 5 applications per season. Do  |
|                            | Melonworms,                              | square feet                  |  |
|                            | Leafhoppers.                             |                              | harvest, or illegal residues may   |
|                            | Spider Mites                             |                              | occur.   |
|                            | ,  |                              |  |
|                            |  |                              | Note: Diazinon will not control  |
|                            |  |                              | organophosphate-resistant  |
|                            |  | 0.15                         | leafminers.  |
| Mustard                    | Mole Crickets                            | 2 lbs. per                   | Apply to plant beds or fields 1-2  |
|                            |  | acre or ¾                    | days before planting and   |
|                            |  | oz. per                      | immediately incorporate into the top 1-2 inches of soil.   |
|                            |  | 1,000<br>square feet         | TOP 1-2 INCHES OF SOIL   |
|                            | Wireworms                                |                              | Broadcast just before planting   |
|                            |  | acre or                      | and immediately incorporate  |
|                            |  | 2¼-3 oz.                     | into the top 4-8 inches of soil.   |
|                            |  | per 1,000                    |  |
|                            |  | square feet                  |  |
|                            | Aphids, Dipterous                        | ½-1 lb. per                  |  |
|                            | Leafminers,                              | acre or                      | application, as necessary, up to   |
|                            | Diamondback                              | 1/5-2/5 OZ.                  | 5 times, with a minimum of 7   |
|                            | Moths, imported                          | per 1,000                    | days between applications.   |
|                            | Cabbageworms                             | square feet                  |  |
|                            | _  |                              | harvest.   |
|                            |  |                              | Note:Diazinon will not control   |
|                            |  |                              | January and American State of the Control of the Co |
|                            |  | ſ                            | organophosphate-resistant<br>leafminers.   |

| Onions (Bulb       | Pest  | Rate  | Timing/Special Directions   |
|--------------------|---|---|---|
|                    | Onion maggots   | 4-8 lbs.  | Broadcast just before planting  |
| and Green)         |   | per acre  | and mix into the top 3-4 inches   |
|                    |   |   | of soil. (See Soil Incorporation  |
|                    |   | per 1,000   | Note.)  |
|                    |   | square feet   | Note: Diazinon will not control   |
|                    |   |   | lorganophosphate-resistant onion  |
|                    |   | 4 15  | maggots.  |
|                    | Onion Thrips  | 1 lb. per   | Apply as thrips appear. Repeat  |
|                    |   | acre or %   | after 7 days, if necessary. Do not make more than 3 applications  |
|                    |   | oz. per   | nake more man 3 applications<br>loer season.  |
|                    |   | 1,000   | per season.   |
|                    |   | square feet   | Do not coply within 14 days of  |
|                    |   |   | Do not apply within 14 days of  |
|                    | [   |   | harvest or illegal residues may   |
|                    | 100   | 0.01  | occur. Broadcast just before planting   |
|                    | Wireworms   | 6-8 lbs. per  |   |
|                    |   | acre or   | and immediately incorporate into  |
|                    |   | 2¼ -3 oz.   | the top 4-8 inches of soil.   |
|                    |   | per 1,000   |   |
|                    |   | square feet   |   |
| Peas               | Cutworms  | 4-8 lbs.  | Broadcast just before planting  |
| (succulent         |   |   | and immediately incorporate   |
| only)              |   | 1½-3 oz.  | into the soil. (See Soil  |
|                    |   |   | Incorporation Note.)  |
|                    | 110   | square feet   |   |
|                    | Wireworms   | 6-8 lbs.  | Broadcast just before planting  |
|                    |   |   | and immediately incorporate into  |
|                    |   | 2¼-3 oz.  | the soil. (See Soil Incorporation   |
|                    | {   | per 1,000   | Note.)  |
|                    |   | square feet   | <u> </u>  |
|                    | Aphids, Dipterous   | 34-1 lb. per  | Apply as insects occur. Repeat  |
|                    | Leafminers  | acre or   | application, as necessary, every  |
|                    |   | 3/10 <sup>-2</sup> /5 OZ.   | 5 days. Do not make more than   |
|                    |   | per 1,000   | 3 applications per season. To   |
|                    |   | square feet   | avoid illegal residues, allow a   |
|                    |   |   | minimum of 7 days between the   |
|                    | ĺ   |   | last application and harvest.   |
|                    |   |   | Vines and hay may be fed to   |
|                    |   |   | dairy and beef cattle and sheep.  |
|                    |   |   | To avoid illegal residues, wait 7   |
|                    |   |   | days following treatment if forage  |
|                    |   |   | is to be cut for hay.   |
|                    |   |   | Note: Diazinon will not control   |
|                    |   |   | organophosphate-resistant   |
|                    |   |   | leafminers.   |
| Radishes           | Cutworms  | 4-8 lbs.  | Broadcast just before planting  |
|                    |   |   | and immediately incorporate into  |
|                    |   | 11/2-3 oz.  | the soil. (See Soil Incorporation   |
|                    |   | per 1,000   | Note.)  |
|                    |   | square feet   |   |
|                    |   | 2 lbs. per  | Apply to plant beds or fields 1-2   |
|                    | Mole Crickets   |   |   |
|                    | Mole Crickets   | acre or ¾   | days before planting and  |
|                    | Mole Crickets   |   | immediately incorporate into the  |
|                    | Mole Crickets   | acre or ¾<br>oz. per<br>1,000   |   |
|                    |   | acre or ¾<br>oz. per<br>1,000<br>square feet  | immediately incorporate into the top 1-2 inches of soil.  |
|                    | Wireworms   | acre or ¾<br>oz. per<br>1,000<br>square feet<br>6-8 lbs.  | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting  |
|                    |   | acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or  | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into   |
|                    |   | acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz.   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting  |
|                    |   | acre or %4<br>oz. per<br>1,000<br>square feet<br>6-8 lbs.<br>per acre or<br>2%-3 oz.<br>per 1,000   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into   |
|                    | Wireworms   | acre or %4 oz. per 1,000 square feet 6-8 lbs. per acre or 2%-3 oz. per 1,000 square feet  | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.   |
|                    | Wireworms Aphids, Flea  | acre or % oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½-1 lb.   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat   |
|                    | Wireworms  Aphids, Flea Beetles, Dipterous  | acre or % OZ. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 OZ. per 1,000 square feet ½-1 lb. per acre or   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3  |
|                    | Wireworms Aphids, Flea  | acre or % OZ. per 1,000 square feet 6-8 lbs. per acre or 2%-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-3k oz.  | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days   |
|                    | Wireworms  Aphids, Flea Beetles, Dipterous  | acre or % oz. per 1,000 square feet 6-8 lbs. per acre or 2%-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-% oz. per 1,000   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.   |
|                    | Wireworms  Aphids, Flea Beetles, Dipterous  | acre or % oz. per 1,000 square feet 6-8 lbs. per acre or 2%-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-% oz. per 1,000   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.  Do not apply within 14 days of   |
|                    | Wireworms  Aphids, Flea Beetles, Dipterous  | acre or % oz. per 1,000 square feet 6-8 lbs. per acre or 2%-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-% oz. per 1,000   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may  |
|                    | Wireworms  Aphids, Flea Beetles, Dipterous  | acre or % oz. per 1,000 square feet 6-8 lbs. per acre or 2%-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-% oz. per 1,000   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may occur.   |
|                    | Wireworms  Aphids, Flea Beetles, Dipterous  | acre or % oz. per 1,000 square feet 6-8 lbs. per acre or 2%-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-% oz. per 1,000   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control  |
|                    | Wireworms  Aphids, Flea Beetles, Dipterous  | acre or % oz. per 1,000 square feet 6-8 lbs. per acre or 2%-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-% oz. per 1,000   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.  Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant   |
|                    | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers                               | acre or % oz. per 1,000 square feet 6-8 lbs. per acre or 2%-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-3% oz. per 1,000 square feet week oz.   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leafminers.  |
| Spinach            | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers  Aphids, Dipterous            | acre or % oz. per 1,000 square feet 6-8 lbs. per acre or 2%-3 oz. per 1,000 square feet ½-1 lb. per acre or %-% oz. per 1,000 square feet   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leafminers.  Apply as insects occur. Repeat  |
| Spinach            | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers                               | acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-1 lb. per acre or   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.  Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leatminers.  Apply as insects occur. Repeat application, as necessary, up to  |
| Spinach            | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers  Aphids, Dipterous            | acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-¾ oz. per 1,000 square feet  ½-1 lb. per acre or ½-¾-% oz.  | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leatminers. Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7   |
| Spinach            | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers  Aphids, Dipterous            | acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-1 lb. per acre or   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.  Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leatminers.  Apply as insects occur. Repeat application, as necessary, up to  |
| Spinach            | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers  Aphids, Dipterous            | acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-¾ oz. per 1,000 square feet  ½-1 lb. per acre or ½-¾-% oz.  | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.  Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leatminers.  Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications.  |
| Spinach            | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers  Aphids, Dipterous            | acre or % OZ. per 1,000 square feet 6-8 lbs. per acre or 2%-3 OZ. per 1,000 square feet ½-1 lb. per acre or ½-% OZ. per 1,000 square feet   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leafminers.  Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications.   |
| Spinach            | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers  Aphids, Dipterous            | acre or % OZ. per 1,000 square feet 6-8 lbs. per acre or 2%-3 OZ. per 1,000 square feet ½-1 lb. per acre or ½-% OZ. per 1,000 square feet   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.  Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leatminers.  Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications.  |
| Spinach            | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers  Aphids, Dipterous            | acre or % OZ. per 1,000 square feet 6-8 lbs. per acre or 2%-3 OZ. per 1,000 square feet ½-1 lb. per acre or ½-% OZ. per 1,000 square feet   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.  Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leatminers.  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.   |
| Spinach            | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers  Aphids, Dipterous            | acre or % OZ. per 1,000 square feet 6-8 lbs. per acre or 2%-3 OZ. per 1,000 square feet ½-1 lb. per acre or ½-% OZ. per 1,000 square feet   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.  Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leatminers.  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.  Note: Diazinon will not control  |
| Spinach            | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers  Aphids, Dipterous            | acre or % OZ. per 1,000 square feet 6-8 lbs. per acre or 2%-3 OZ. per 1,000 square feet ½-1 lb. per acre or ½-% OZ. per 1,000 square feet   | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.  Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leatminers.  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.  Note: Diazinon will not control organophosphate-resistant  |
|                    | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers  Aphids, Dipterous Leafminers | acre or % oz. per 1,000 square feet 6-8 lbs. per acre or 2%-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-% oz. per 1,000 square feet  ½-1 lb. per acre or ½-% oz. per 1,000 square feet  | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leafminers.  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.  Note: Diazinon will not control organophosphate-resistant leafminers.   |
|                    | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers  Aphids, Dipterous            | acre or ¾ OZ. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-½ OZ. per 1,000 square feet  ½-1 lb. per acre or ½-½ OZ. per 1,000 square feet  ¼-1 lb. per acre or ½-½ OZ. per 1,000 square feet | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leatminers.  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.  Note: Diazinon will not control organophosphate-resistant leatminers.  Broadcast just before planting                                   |
| Spinach Sweet Corn | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers  Aphids, Dipterous Leafminers | acre or ¾ OZ. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-²4 oz. per 1,000 square feet  ½-1 lb. per acre or ½-²4 oz. per 1,000 square feet  4-8 lbs. per acre or                            | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.  Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leafminers.  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.  Note: Diazinon will not control organophosphate-resistant leafminers.  Broadcast just before planting and immediately incorporate into |
|                    | Wireworms  Aphids, Flea Beetles, Dipterous Leafminers  Aphids, Dipterous Leafminers | acre or ¾ OZ. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½-1 lb. per acre or ½-½ OZ. per 1,000 square feet  ½-1 lb. per acre or ½-½ OZ. per 1,000 square feet  ¼-1 lb. per acre or ½-½ OZ. per 1,000 square feet | immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant leatminers.  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.  Note: Diazinon will not control organophosphate-resistant leatminers.  Broadcast just before planting                                   |

| Crop                     | Pest   | Rate   | Timing/Special Directions   |
|--------------------------|--|--|---|
| Sweet Corn               | Seed Corn  | 4-8 lbs.   | Broadcast just before planting  |
| cont'd.                  | Maggots  | per acre or<br>1½-3 oz.  | and immediately incorporate into the top 2 inches of soil.  |
|                          | }  | per 1,000  | I the top 2 inches of soil.   |
|                          |  | square feet  |   |
|                          | Wireworms  | 6-8 lbs.   | Broadcast just before planting  |
|                          |  | per acre or  | and immediately incorporate into  |
|                          |  | 2 ¼-3 oz.  | the top 4-8 inches of soil.   |
|                          | 1  | per 1,000  |   |
|                          |  | square feet  |   |
|                          | Corn Earworms  | 2-21/2 lbs.  | Apply when silks first appear.  |
|                          |  | per acre or  | Repeat application every 7 days   |
|                          |  | 34-1 OZ.   | up to a maximum of 5  |
|                          |  | per 1,000<br>square feet   | applications, if necessary.   |
|                          | Corn Leaf Aphids   | 1-2 lbs.   | Apply in sufficient water to  |
|                          | COM Loar Apriles   | per acre or  | provide complete coverage to the  |
|                          |  | %-% oz.  | upper portions of the plants.   |
|                          | 1  | per 1,000  | Repeat in 7 days if necessary.  |
|                          |  |  | Do not make more than 5   |
|                          |  | l '  | applications per season.  |
|                          | Grasshoppers,  | 1 lb. per  | Apply as insects occur. Repeat if   |
|                          | Spider Mites,  | acre or 3/4  | necessary, but do not make  |
|                          | Fleabeetles  | oz. per  | more than 5 applications per  |
|                          |  | 1,000  | season.   |
|                          | C Dantie   | square feet  |   |
|                          | Sap Beetles  | 2-21/2 lbs.  | Consult local agricultural<br>authorities for proper timing of  |
|                          |  | per acre or<br>%-1 oz.   | application. Repeat application in  |
|                          |  | per 1,000  | 7 days, if necessary. Do not  |
|                          |  |  | make more than 5 applications   |
|                          |  | per season   |   |
| Notes: (1) To            | protect bees, do no  |  | rly to corn during the pollen shed  |
| period. (2) Al           | low a minimum of 7   | days between   | en the last application and grazing or  |
|                          |  |  |   |
| cutting for for          | age. (3) Com may b   |  | lays after the last application.  |
|                          | age. (3) Corn may b<br>Cutworms  | 4-8 lbs.   | Broadcast just before planting  |
|                          |  | 4-8 lbs.<br>per acre or  | Broadcast just before planting<br>and immediately incorporate into  |
|                          |  | 4-8 lbs.<br>per acre or<br>1½-3 oz.  | Broadcast just before planting<br>and immediately incorporate into<br>the soil. (See Soil Incorporation   |
|                          |  | 4-8 lbs.<br>per acre or<br>1½-3 oz.<br>per 1,000   | Broadcast just before planting<br>and immediately incorporate into<br>the soil. (See Soil Incorporation<br>Note.)   |
|                          | Cutworms   | 4-8 lbs.<br>per acre or<br>1½-3 oz.<br>per 1,000<br>square feet  | Broadcast just before planting<br>and immediately incorporate into<br>the soil. (See Soil Incorporation<br>Note.)   |
|                          |  | 4-8 lbs.<br>per acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 lbs. per  | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days  |
|                          | Cutworms   | 4-8 lbs.<br>per acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 lbs. per<br>acre or ¾   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately  |
|                          | Cutworms   | 4-8 lbs.<br>per acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 lbs. per<br>acre or ¾<br>oz. per  | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days  |
|                          | Cutworms   | 4-8 lbs.<br>per acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 lbs. per<br>acre or ¾   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.   |
|                          | Cutworms   | 4-8 lbs.<br>per acre or<br>1½-3 oz.<br>per 1,000<br>square feet<br>2 lbs. per<br>acre or ¾<br>oz. per<br>1,000   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.   |
|                          | Cutworms  Mole Crickets  | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or  | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into  |
|                          | Cutworms  Mole Crickets  | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz.   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting   |
|                          | Cutworms  Mole Crickets  | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  |
|                          | Mole Crickets Wireworms  | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¼ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet or 2¼-3 oz. per 1,000 square feet   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  |
|                          | Mole Crickets  Wireworms  Aphids, Dipterous  | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat   |
|                          | Mole Crickets Wireworms  | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ½ lb. per acre or ½ lb. per acre or ½   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if  |
|                          | Mole Crickets  Wireworms  Aphids, Dipterous  | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ½ lb. per acre or ¼ oz. per % oz. per %   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more  |
|                          | Mole Crickets  Wireworms  Aphids, Dipterous  | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season.  |
|                          | Mole Crickets  Wireworms  Aphids, Dipterous  | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season. Do not apply within one day of   |
|                          | Mole Crickets  Wireworms  Aphids, Dipterous  | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season.  |
|                          | Mole Crickets  Wireworms  Aphids, Dipterous  | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may   |
|                          | Mole Crickets  Wireworms  Aphids, Dipterous  | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant |
|                          | Mole Crickets  Wireworms  Aphids, Dipterous Leafminers   | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ½ square feet square feet   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may occur.  Note: Diazinon will not control                           |
|                          | Mole Crickets  Wireworms  Aphids, Dipterous Leafminers   | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or 30z. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet  | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant |
|                          | Mole Crickets  Wireworms  Aphids, Dipterous Leafminers  Banded Cucumber Beetles, Fall Army   | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet 3¼-1 lb. per acre or yer 1,000 square feet  | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant |
|                          | Mole Crickets  Wireworms  Aphids, Dipterous Leafminers  Banded Cucumber Beetles, Fall Army worms, Southern   | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant |
|                          | Mole Crickets  Wireworms  Aphids, Dipterous Leafminers  Banded Cucumber Beetles, Fall Army worms, Southern Armyworms, Beet                                   | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ¾-1 lb. per acre or ¾-2½ oz. per 1,000 per acre or ¼-2½ oz. per 1,000   | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant |
|                          | Mole Crickets  Wireworms  Aphids, Dipterous Leafminers  Banded Cucumber Beetles, Fall Army worms, Southern Armyworms, Beet Armyworms, Beet                   | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet 9½ lb. per acre or ½ oz. per 1,000 square feet 9½ lb. per 1,000 square feet 9½ lb. per acre or ½ oz. per 1,000 square feet 9½-1000 square feet 9½-1000 square feet  | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant |
|                          | Cutworms  Mole Crickets  Wireworms  Aphids, Dipterous Leafminers  Banded Cucumber Beetles, Fall Army worms, Southern Armyworms, Beet Armyworms Vinegar Flies | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ¼ oz. per 1,000 square feet ¾ 2½ lb. per acre or ¼ oz. per 1,000 square feet ½ ½-1½ lbs.  | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant |
| cutting for for Tomatoes | Mole Crickets  Wireworms  Aphids, Dipterous Leafminers  Banded Cucumber Beetles, Fall Army worms, Southern Armyworms, Beet Armyworms, Beet                   | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2½-3 oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ½ lb. per acre or ½ oz. per 1,000 square feet ½ lb. per acre or ¾ oz. per 1,000 square feet ½ lb. per acre or ¾ oz. per 1,000 square feet ½ lbs. per acre or yer 1,000 square feet ½ lbs. per acre or or yer 1,000 square feet ½ lbs. per acre or or yer acre or yer 1,000 square feet ½ lbs. | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant |
|                          | Cutworms  Mole Crickets  Wireworms  Aphids, Dipterous Leafminers  Banded Cucumber Beetles, Fall Army worms, Southern Armyworms, Beet Armyworms Vinegar Flies | 4-8 lbs. per acre or 1½-3 oz. per 1,000 square feet 2 lbs. per acre or ¾ oz. per 1,000 square feet 6-8 lbs. per acre or 2¼-3 oz. per 1,000 square feet ½ lb. per acre or ¼ oz. per 1,000 square feet ¼ 2 lb. per acre or ¼ oz. per 1,000 square feet ½ lbs.  | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)  Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.  Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.  Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season. Do not apply within one day of harvest or illegal residues may occur.  Note: Diazinon will not control organophosphate-resistant |

### MUSHROOM HOUSES

Mushroom flies (Phorids and Sciarids)
Mix 4-5 lbs. of DIAZINON 50 WP 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

Notes: (1) If seed has not been treated with a fungicide, use an EPA-registered fungicide in combination with DIAZINON 50 WP 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, ½ 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 ½ oz. per bushel of seed.

> FIELD CROPS REI - 24 hours

Apply soil and foliar applications of DIAZINON 50 WP 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 Boots  | 14   |  |

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

| Crop        | Pest  | Rate                 | Timing/Special Directions  |
|-------------|---|----------------------|--|
| Hops        | Aphids, Spider<br>Mites                               | 2 lbs.<br>per acre   | Apply as pests 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.<br>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 Leaf<br>miners, Aphids | %-1 tb.<br>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 leatminers. |
|             | Grasshoppers  | 1 lb. per<br>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: Tops may be fed to beef and dairy animals.

## 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, Chrysanthernum, 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. Try to spray underside of leaves and penetrate dense foliage.

|   | Amount of DIAZINON 50 WP to Use |                                  |
|---|---------------------------------|----------------------------------|
| Insects   | Rate per<br>3 gallons<br>water  | Rate per<br>100 gallons<br>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, Leaf hoppers, Obscure Root Weevils, Omnivorous Leaftiers, Privet Mites, Scale Crawlers (Cottonycushion, Lecanium, Pine Needle, San Jose, Soft), Thrips, Two-Spotted Spider Mites, Juniper Webworms, Whiteflies. | ½ oz.                           | 1 tb.                            |

|  | Amount of<br>DIAZINON 50 WP to Use |                                  |
|--|------------------------------------|----------------------------------|
| Insects  | Rate per<br>3 gallons<br>water     | Rate per<br>100 gallons<br>water |
| Apple-and-Thorn Skeletonizers, Cotoneaster<br>Webworms, Fall Webworms, Hemlock<br>Chermes, Oak Loopers, Obliquebanded Leaf<br>rollers, Pear Slugs, Tent Caterpillars | 1½ OZ.                             | 3 lbs.                           |

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

Mimosa Webworms: Mix ½ oz. in 3 gallons of water (or 1 lb. in 100 gallons of water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

NOTICE

IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE 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 UNITED HORTICULTURAL SUPPLY, THE MANUFACTURER OR SELLER. IN NO CASE SHALL UNITED HORTICULTURAL SUPPLY, THE MANUFACTURER OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER. EXCEPT AS EXPRESSLY PROVIDED HEREIN, UNITED HORTICULTURAL SUPPLY, THE MANUFACTURER OR SELLER MAKES NO WARRANTIES. GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MER-CHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILI-TY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND UNITED HORTICULTURAL SUPPLY'S, THE MANUFACTURER'S OR SELLER'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

FORMULATED FOR
PLATTE CHEMICAL CO.
419 18TH STREET, GREELEY, COLORADO 80631-5852