

528318

Mr. Richard Miller
Prentiss Incorporated
C.B. 2000
Floral Park, NY 11002-2000

AUG 12 1997

Dear Mr. Miller:

Subject: Amendment- Revise "Home" to "Structure" for
Nuisance Pests in Outside Areas, and
Comply with Agency letter of April 16, 1997
Pretox Diazinon AG500 Insecticide
EPA Registration Number 655-459
Your submission dated July 25, 1997

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable and a stamped copy of the label is enclosed for your records.

The Agency recommends the following minor corrections at the next label printing:

1. For the crop Cranberries, in the Timing/Special Directions for the pest Blackheaded Fireworms add a space between "capture" and "and".
2. For the crop Beans, in the Timing/Special Directions for the pest Cucumber Beetles revise "treat ment" to "treatment".
3. For the crop Lima Beans, in the Timing/Special Directions for the pests Leafhoppers and Spider Mites revise "treat ment" to "treatment".
4. For the crop Sweet Corn, relocate "1-2 pts. per acre" so that it appears entirely within the Rate column, rather than across two columns.
5. In the Lawn Pest Control Precautions, delete the comma after "If waterfowl" and after "geese)".

6. In the Environmental Hazards, delete the comma after "if waterfowl".

Sincerely,

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

Front Panel

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

PRENTOX® DIAZINON AG500 INSECTICIDE
ORGANOPHOSPHATE

For control of certain insects on fruits, nuts, vegetables, field crops, lawns, and ornamentals
This product must not be used on golf courses and sod farms.

ACTIVE INGREDIENT:

Diazinon [O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate] 48.0%

INERT INGREDIENTS*: 52.0%

TOTAL: 100.0%

*Contains xylene range aromatic solvent

Prentox® Diazinon AG500 contains 4 lbs. Diazinon per gallon

PRENTOX® - Registered Trademark of Prentiss Incorporated

KEEP OUT OF REACH OF CHILDREN
CAUTION

STATEMENT OF PRACTICAL TREATMENT
ORGANOPHOSPHATE

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

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

If on skin: Wash promptly with soap and water. Rinse thoroughly. Get medical attention.

If in eyes: Rinse eyes with plenty of water. Call a physician if irritation persists.

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

See additional precautionary statements and directions for use inside booklet

E.P.A. REG. NO. 655-459

E.P.A. EST. NO. 655-GA-1

Manufactured by:

PRENTISS INCORPORATED

Plant: Kaolin Road, Sandersville, GA 31082

Office: C.B. 2000, Floral Park, NY 11002-2000

ACCEPTED
AUG 12 1997
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 655-459

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

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

CONDITIONS OF SALE AND WARRANTY

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

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

DIRECTIONS FOR USE

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

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 regulations.

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 the handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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

PPE required for early entry 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, chemical resistant gloves, such as barrier laminate or viton, and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

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

Do not permit children or pets to go onto treated areas until spray has dried.

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

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 rinsate cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container

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

GENERAL INFORMATION

Prentox Diazinon AG500 is an emulsifiable solution which, when diluted with water according to the directions, is intended for the control of insect pests of agricultural crops and other plants. Do not use on food crops grown in greenhouses. Do not use in barns or dwellings. Do not use on livestock.

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

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

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 Prentox Diazinon AG500, do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See Practical Treatment section of this label.

NOTE: The California Department of Agriculture has set a 5-day reentry period for diazinon on grapes, peaches, and nectarines. Five days should elapse between the time of application and the time a worker may enter the field to engage in any activity requiring substantial contact with treated foliage. When a mixture of 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.

CHEMIGATION

APPLICATION THROUGH AN IRRIGATION SYSTEM (CHEMIGATION) — CRANBERRIES ONLY

Prentox Diazinon AG500 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. Do not use water from irrigated or flooded cranberry beds for drinking purposes or to irrigate crops other than those appearing on EPA approved diazinon labels. For chemigation, apply this product to cranberries only through sprinkler irrigation systems. Do not apply this product to cranberries through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect the irrigation system used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments, if the need arises.

CHEMIGATION SYSTEM CONNECTED TO PUBLIC WATER SYSTEMS

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

SPRINKLER CHEMIGATION

1. The system must contain a functional check valve, a vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

OPERATING INSTRUCTIONS

1. Determine the acreage to be treated by the sprinkler system.
2. Measure the appropriate amount of Prentox Diazinon AG500 needed to treat the acreage to be treated. Refer to the specific directions for use for cranberries for the application rate and the amount of water per acre.
3. Add the pre-measured Prentox Diazinon AG500 to the chemigation system supply tank and dilute with water if needed. Proper agitation is needed if Prentox Diazinon AG500 is tank mixed with other pesticides registered for sprinkler chemigation application to cranberries.
4. Start the irrigation system and bring the system up to full pressure, making certain that all sprinkler heads are functioning properly.
5. Engage the chemigation injection or venturi system to add the diazinon to the irrigation lines.

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

FRUIT AND NUT CROPS — REI 24 Hours

Pretox Diazinon AG500 may be applied using ground or aerial application equipment as specified in the following table. This table indicates the *minimum* amount of water that can be used for the various methods of application. The rate of Pretox Diazinon AG500 for aerial spray or concentrated spray applied to fruit trees by ground equipment is based on a dilute full cover spray applied with conventional ground equipment at a rate of 300-400 gals. of water per acre. The specific amount of product to be used appears under the separate directions for use for each crop. If the Rate calls for 1 pt. of Pretox Diazinon AG500 in 100 gals. of water, this amounts to 3-4 pts. of product per acre when applied at the usual dilute ground spray volumes of 300-400 gals. of water per acre. In no case should the amount of product used per acre exceed the maximum amount per acre per application that is specified in the Timing/Special Directions for individual crops.

| Crop | Aerial Application Minimum Gals./Acre | Ground Application Minimum Gals./Acre | |
|-----------------|--|--|-------------|
| | | Dilute | Concentrate |
| Almonds* | 20 | 100 | 20 |
| Apricots | 20 | 100 | 20 |
| Blackberries** | 20 | 100 | 20 |
| Boysenberries** | 20 | 100 | 20 |
| Cherries | 20 | 100 | 20 |
| Cranberries | 20 | 15 | — |
| Dewberries** | 20 | 100 | 20 |
| Grapes | 20 | 100 | 20 |
| Loganberries** | 20 | 100 | 20 |
| Nectarines | 20 | 100 | 20 |
| Peaches | 20 | 100 | 20 |
| Plums | 20 | 100 | 20 |
| Prunes | 20 | 100 | 20 |
| Raspberries** | 20 | 100 | 20 |
| Strawberries | 20 | 100 | 20 |
| Walnuts* | 20 | 100 | 20 |

*CA only

**CA, OR, or WA only

Observe stated time intervals between last application and harvest, as well as intervals between applications and total amount of product that can be applied per season.

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

*PHI = Pre-Harvest Interval or the number of days to wait between the last application and harvest; may vary based on use pattern selected. See specific directions for use on grapes.

** = Dormant spray only.

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

| Crop | Pest | Rate | Timing/Special Directions |
|-------------------|---|--|---|
| Almonds (CA only) | San Jose Scale, Parlatoria Scale | 1-1½ pts. + 2-3 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 6 pts. of diazinon or 9 gals. of oil per acre. |
| Apricots | Aphids, Brown Mites (Clover Mites), Two-spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers | 1 pt. in 100 gals. of water | Apply as infestations occur. Repeat application after 14 days if necessary. |
| | Olive Scale Crawlers | ½ pt. + 1½ gals. of light medium horti- cultural oil per 100 gals. of water | Apply when scale crawlers are present |
| | Apricot Mealybugs | 1 pt. per 100 gals. of water | Apply as a cover spray from petal fall to June. Allow 14 days between applications. |

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

| | | | |
|---|---|-------------------|---|
| Caneberries (CA, OR and WA only) (Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries) | Leafhoppers, Thrips, Aphids, Two-spotted Spider Mites, Raspberry Fruit- worms, Raspberry Saw- flies | 1 qt. per acre | Apply as insects occur. Repeat ap- plication after 14 days if necessary. Apply in a minimum of 100 gals. of water per acre (200 gals. per acre maximum). For Raspberry Fruitworms make one application when blossom buds separate. Make a second applica- tion immediately before blossoms open. |
| | Dryberry Mites | 1-2 qts. per acre | Apply as a dormant spray in the early Spring when canes are still on the ground and buds are closed. Make a second application when buds are well developed but still closed. Apply in a minimum of 100 gals. of water per acre. |
| | Raspberry Crown Borers (Raspberry Root Borers) | 2 qts. per acre | Apply a single application in a minimum of 100 gals. of water per acre as a drench to the crown and lower canes in the spring before buds break. |

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

| Crop | Pest | Rate | Timing/Special Directions |
|--|---|--|---|
| Cherries | Eyespotted Bud Moths Fruit Tree Leaf-rollers | 1 pt. in 100 gals. of water | Apply in cover sprays as infestations occur beginning at petal fall. Repeat application after 7 days if necessary. |
| | Leafhoppers | 1 pt. in 100 gals. of water | Make 3-4 applications beginning at petal fall and continuing through the growing season as infestations occur. Allow 7 days between applications. |
| | Cherry Fruitflies | ½-1 pt. in 100 gals. of water | Make 3-4 applications beginning when adult flies begin to emerge and repeating at 10 day intervals. |
| | Black Cherry Aphids | 1 pt. in 100 gals. of water | Apply as a cover spray when aphids appear. Repeat application after 10 days if necessary. |
| | San Jose Scale Crawlers | 1 pt. in 100 gals. of water | Apply during the pre-pink stage or when crawlers first appear. |
| | Cherry Rust Mites | ½-1 pt. in 100 gals. of water | Apply to trees as a single supplemental spray after harvest. |
| Notes: (1) Do not make more than 3 applications per season. (2) Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season. (3) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest. | | | |
| Cranberries | Blackheaded Fireworms (<i>Rhopobota naevana</i>) | 2 qts. in a minimum of 15 gals. of water per acre for ground application and up to 400 gals. of water per acre for chemigation | Apply to larval stage. Pheromone trap captures and sweep monitoring may be used to optimize treatment timing. Repeat application after 14 days if necessary. A maximum of 6 applications per season is permitted. |
| | Cranberry Fruitworms | 2 - 3 qts. in a minimum of 15 gals. of water per acre for ground application and up to 400 gals. of water per acre for chemigation | Cranberry growth stage and/or berry inspection for eggs may be used to optimize treatment timing; consult your local extension agent or pest management adviser. Repeat application every 14 days as needed. A maximum of 4 applications per season is permitted for the 3 qt. rate. A maximum of 6 applications is permitted for the 2 qt. rate. |
| Notes: (1) Do not apply more than 12 qts. of product per acre per season. (2) To avoid illegal residues, allow a minimum of 7 days between the last application and harvest. (3) This product may be applied to cranberries through sprinkler irrigation. Refer to the section CHEMIGATION for specific chemigation directions for use. (4) DO NOT USE WATER FROM IRRIGATED OR FLOODED CRANBERRY BEDS FOR DRINKING PURPOSES OR TO IRRIGATE CROPS OTHER THAN THOSE APPEARING ON EPA APPROVED DIAZINON LABELS. | | | |
| Grapes | Pacific spider mites, Leafhoppers, Grape Berry Moths, Grape Leafrollers, Omnivorous Leaf-rollers, Aphids, Spider Mites | 1-2 pts. per acre in a minimum of 100 gals. of water | Apply as pest occurs as a thorough cover spray. Repeat application after 7 days, if necessary. |
| | <i>Drosophila</i> spp. | 6 fl. oz. per acre in a minimum of 100 gals. of water (300 gals. of water maximum) | Apply as pest occurs as a thorough cover spray. Repeat application after 7 days, if necessary. |
| Notes: (1) Do not apply more than 2 pts. of product per acre per application and no more than 10 pts. per acre per season. (2) To avoid illegal residues, allow 28 days between the last application and harvest. | | | |

| Crop | Pest | Rate | Timing/Special Directions |
|---|--|---------------------------------|--|
| Nectarines | Oriental Fruit Moths | 1 pt. in 100 gals. of water | Apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult flight. |
| | Aphids, Brown Mites (Clover Mites), Two-spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers, Peach Twig Borers | 1 pt. in 100 gals. of water | Apply as infestations occur. Repeat application after 14 days. |
| Notes: (1) Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. per acre per season. (2) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest. | | | |
| Peaches | Aphids, Brown Mites (Clover Mites), Two-spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers | 1 pt. in 100 gals. of water | Apply as infestations occur. Repeat application after 14 days if necessary. |
| | Oriental Fruit Moths | 1 pt. in 100 gals. of water | Apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult flight. |
| | Peach Twig Borers | 1 pt. in 100 gals. of water | Apply as insects occur in May and June. Allow 7 days between applications. |
| | Leafhoppers | 1 pt. in 100 gals. of water | Make 3-4 applications beginning at petal fall and continuing through the growing season. Allow at least 7 days between applications. |
| | White Peach Scale | 1½-2 pts. in 100 gals. of water | Apply post-harvest timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestation 2 applications (7 days apart) may be needed. Do not apply before fruit is harvested. |
| Notes: (1) Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season. (2) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest. | | | |
| Plums | Brown Mites (Clover Mites), European Red Mites | 1 pt. in 100 gals. of water | Apply as needed every 7 days. |
| | Leafcurl Plum Aphids, Mealy Plum Aphids, Thistle Aphids | ½-1 pt. in 100 gals. of water | |
| Notes: (1) Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season. (2) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest. | | | |

10 of 28

| Crop | Pest | Rate | Timing/Special Directions |
|---|---|---|---|
| Prunes | Brown Mites (Clover Mites), European Red Mites | 1 pt. in 100 gals. of water | Apply as needed every 7 days. |
| | Leafcurl Plum Aphids, Mealy Plum Aphids, Thistle Aphids | ½-1 pt. in 100 gals. of water | |
| Notes: (1) Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season. (2) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest. | | | |
| Strawberries | Aphids, Two-spotted Spider Mites | 1 pt. in 100 gals. of water per acre | Apply as pests occur. Repeat application if necessary every 7 days, but do not make more than 3 applications per season. |
| | Cyclamen Mites | 1 qt. in 100 gals. of water per acre | Direct spray to the plant crowns. Plants should be sufficiently agitated to assure thorough coverage of the foliage. Repeat application after 7 days if necessary. Do not make more than 3 foliar applications per season. |
| | Mole Crickets | 1 qt. per acre | Broadcast in sufficient water to obtain even coverage when insects are present. Apply 1-2 days before transplanting and immediately incorporate into the top 1-2 inches of soil. |
| | Strawberry Leafrollers | ¾-1 pt. in 100 gals. of water | Apply 200 gals. of spray per acre when blossoms show color. |
| Notes: (1) Do not apply more than 1 qt. of product per application and no more than 4 qts. of product per acre per season. (2) To avoid illegal residues, allow a minimum of 5 days between the last application and harvest. | | | |
| Walnuts (CA only) | Aphids, Spider Mites | 1 qt. per acre | Apply as a foliar spray. Repeat application in 14 days if necessary. |
| | Codling Moths, Scale Crawlers, Walnut Caterpillars | 3 qts. per acre | Make ground applications in a minimum of 100 gals. of water per acre. |
| Notes: (1) Do not apply more than 3 qts. of product per acre per application. (2) Do not apply more than 9 qts. of product per acre per season. (3) To avoid illegal residues, allow a minimum of 45 days between the last application and harvest and do not apply after husks open. | | | |

VEGETABLE CROPS - REI 24 Hours

For foliar or soil applications, Prentox Diazinon AG500 should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil. Prentox Diazinon AG500 may be applied using ground or aerial application equipment as specified in the following table. This table indicates the minimum amount of water that can be used for the various methods of application. The specific amount of product to be used appears under the separate directions for use for each crop.

11/28

| Crop | Ground Application | | Aerial Application Minimum Gals./Acre |
|--|-----------------------|--------------------------------------|--|
| | Minimum Gals./Acre | OR Minimum Gals./1,000 Sq. Ft. | |
| Beans (Lima, Pole, and Snap) (succulent only) | 10 | 2 | 5 |
| 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 |
| Chinese Radish (CA, FL only) | 10 | 2 | 5 |
| Collards | 10 | 2 | 5 |
| Crenshaws | 5 | 1 | 5 |
| Cucumbers | 5 | 1 | 5 |
| Endive (Escarole) | 10 | 2 | 5 |
| Ginseng | 10 | 2 | 5 |
| Honeydew Melons | 5 | 1 | 5 |
| Kale | 10 | 2 | 5 |
| Lettuce, Head | 10 | 2 | 5 |
| Lettuce, Leaf | 10 | 2 | 5 |
| Muskmelons | 5 | 1 | 5 |
| Mustard | 10 | 2 | 5 |
| Onions (Bulb and Green) | 10 | 2 | 5 |
| Parsley | 10 | 2 | 5 |
| Parsnips | 10 | 2 | 5 |
| Peas (succulent only) | 10 | 2 | 5 |
| Peppers | 10 | 2 | 5 |
| Persian Melons | 5 | 1 | 5 |
| *Potatoes (Irish) | 10 | 2 | 5 |
| Radishes | 10 | 2 | 5 |
| Spinach | 10 | 2 | 5 |
| Squash, Summer | 5 | 1 | 5 |
| Squash, Winter | 5 | 1 | 5 |
| Sweet Corn | 20 | 4 | 5 |
| Sweet Potatoes | 10 | 2 | 5 |
| Swiss Chard | 10 | 2 | 5 |
| Tomatoes | 10 | 2 | 5 |
| Turnips | 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. Do not apply to food crops grown in greenhouses.

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 |
| Chinese Radish | 10 |
| Collards | 10 |
| Crenshaws | 3 |
| Cucumbers | 7 |
| Endive (Escarole) | 14 |
| Ginseng | 30 |
| Honeydew Melons | 3 |
| Kale | 10 |
| Lettuce | 14 |
| Muskmelons | 3 |
| Mustard | 10 |
| Onions (Bulb and Green) | 14 |
| Parsnips | 14 |
| Peas | 7 |
| Peppers | 5 |
| Persian Melons | 3 |
| Potatoes (Irish) | 35 |
| Radishes | 14 |
| Spinach | 14 |
| Squash, Summer | 7 |
| Squash, Winter | 3 |
| Sweet Corn | 7 |
| Swiss Chard | 14 |
| Tomatoes | 1 |
| Turnips, Roots and Tops | 14 |
| Watermelons | 3 |

*PHI = Pre-Harvest interval or the number of days to wait 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 suitable means. For control of surface cutworms, incorporate 2-3 inches, for subterranean cutworms incorporate 3-6 inches. (2) To Protect Bees: Foliar applications of this product should not be made to 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 |
|---|--|--------------------|--|
| Beans (Lima, Pole, and Snap) (succulent only) | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Black Bean Aphids, Mexican Bean Beetles, Dipterous Leafminers | 1-1½ pts. per acre | Apply as insects occur. Repeat application, as necessary, every 5 days. Do not make more than 3 applications per season. |
| | Cucumber Beetles | ¼ pt. per acre | Do not apply within 7 days of harvest or illegal residues may occur. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay. Make cucumber beetle application in 100 gals. of water per acre. Notes: (1) Diazinon will not control organophosphate-resistant leafminers. (2) To protect bees, do not apply foliarly if the crop or weeds in the treatment area are in bloom. |
| Beans, Lima (succulent only) | Leafhoppers, Spider Mites | 1 pt. per acre | Apply as pests occur. Repeat application, as necessary, every 5 days. Do not make more than 3 applications per season. Do not apply within 7 days of harvest or illegal residues may occur. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay. Note: To protect bees, do not apply foliarly if the crop or weeds in the treatment area are in bloom. |
| Beets, Red (Table) | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Dipterous Leafminers | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate resistant leafminers. |

| Crop | Pest | Rate | Timing/Special Directions |
|------------------|--|-------------------------------|--|
| Broccoli | Root Maggots | 2-3 qts. per acre | Broadcast just before planting and immediately incorporate into the top 3-4 inches of soil. |
| | | 4-8 oz. per 50 gals. of water | In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply 1/2-1 cup (4-8 oz.) per plant by hand or by tractor mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting. |
| | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole/Crickets | 1 qt. per acre | One to two days before planting, broadcast immediately and incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers | 1/2-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 7 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate resistant leafminers. |
| Brussels Sprouts | Root Maggots | 2-3 qts. per acre | Broadcast just before planting and immediately incorporate into the top 3-4 inches of soil. |
| | | 4-8 oz. in 50 gals. of water | In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply 1/2-1 cup (4-8 oz.) per plant by hand or by tractor-mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Note: Transplant water treatment may result in stand reduction due to plant stress at time of transplanting. |
| | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |

15428

| Crop | Pest | Rate | Timing/Special Directions |
|---------------------------------|--|------------------------------|--|
| Brussels Sprouts (continued) | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Diamondback Moths, Imported Cabbageworms | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 7 days of harvest or illegal residues may occur. |
| Cabbage | Root Maggots | 2-3 qts. per acre | Broadcast just before planting and immediately incorporate into the top 3-4 inches of soil. |
| | | 4-8 oz. in 50 gals. of water | In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply ½-1 cup (4-8 oz.) per plant by hand or by tractor-mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting. |
| | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 21 days of harvest or illegal residues may occur. |
| | | | Note: Diazinon will not control organophosphate-resistant leafminers |
| Carrots | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids | 1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest, or illegal residues may occur. |

16 of 28

| Crop | Pest | Rate | Timing/Special Directions |
|--|--|------------------------------|--|
| Cauliflower | Root Maggots | 2-3 qts. per acre | Broadcast just before planting and immediately incorporate into the top 3-4 inches of soil. |
| | | 4-8 oz. in 50 gals. of water | In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply 1/2-1 cup (4-8 oz.) per plant by hand or by tractor-mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting. |
| | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| Chinese Broccoli | Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers | 1/2-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 5 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |
| | | | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |
| Chinese Cabbage (Bok Choy and Napa) | Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers | 1/2-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |

| Crop | Pest | Rate | Timing/Special Directions |
|---|---|-------------------|---|
| Chinese Mustard (Gai Choy) | Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |
| Chinese Radish (Japanese Radish or Daikon) (FL and CA only) | Aphids, Diamondback Moths, Imported Cabbageworms Dipterous Leafminers | 1 pt. per acre | Mix in a minimum of 100 gals. of water per acre and apply as a foliar spray as pests occur. Repeat application, as necessary, every 14 days. Do not make more than 3 applications per season. Do not apply within 10 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |
| Collards | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Diamondback Moths, Imported Cabbageworms Harlequin bugs, Corn Earworms | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest or illegal residues may occur. |
| Cucumbers | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Serpentine Leafminers, Thrips, Striped Cucumber Beetles, Melonworms | 1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 7 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |

| Crop | Pest | Rate | Timing/Special Directions |
|-------------------|--|-------------------|--|
| Endive (Escarole) | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Dipterous Leafminers | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate-resistant leafminers. |
| Ginseng - | Leafhoppers, Aphids, Lygus Bugs, Flea Beetles, Jumping Plant Lice | ½-1 pt. per acre | Spray when insects first appear. For heavy insect infestations, use 1 pt. per acre. Apply by ground equipment using 10 to 100 gals. of water per acre. Do not apply more than one application per growing season. Do not apply during flowering of three or four year old crops. Do not apply within 30 days of harvest. Do not graze treated areas or feed treated forage to livestock. |
| Kale | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Diamondback Moths, Imported Cabbageworms, Harlequin bugs, Corn Earworms | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest or illegal residues may occur. |
| Lettuce | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |

19 of 28

| Crop | Pest | Rate | Timing/Special Directions |
|--|--|--------------------|--|
| Lettuce (continued) | Aphids, Dipterous Leafminers | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate-resistant leafminers. |
| Melons (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians and Hybrids of these) and Watermelons | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Dipterous Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, Spider Mites | ½-1½ pts. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 3 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |
| Mustard | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Dipterous Leafminers, Diamondback Moths, Imported Cabbageworms | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |

| Crop | Pest | Rate | Timing/Special Directions |
|-------------------------|--|-------------------|---|
| Onions (Bulb and Green) | Onion Maggots | 2-4 qts. per acre | Broadcast just before planting and mix into the top 3-4 inches of soil. Note: Diazinon will not control organophosphate-resistant onion maggots. |
| | Onion Thrips | 1 pt. per acre | Apply as thrips appear. Repeat application, as necessary, every 7 days. Do not make more than 3 applications per season. Do not apply within 14 days of harvest or illegal residues may occur. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| Parsley | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| Parsnips | Aphids, Flea Beetles, Dipterous Leafminers | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |
| Peas (succulent only) | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Dipterous Leafminers | ¾-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 5 days. Do not make more than 3 applications per season. To avoid illegal residues, allow a minimum of 7 days between the 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. Notes: (1) Diazinon will not control organophosphate-resistant leafminers. (2) To protect bees, do not apply foliarly if the crop or weeds in the treatment area are in bloom. |

| Crop | Pest | Rate | Timing/Special Directions |
|---|--|-------------------|---|
| Peppers | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Serpentine Leaf-miners | ½-1 pt. per acre | Apply as insects appear. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 5 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leaf-miners. |
| Potatoes | Cutworms (Surface and Subterranean) | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Southern Potato Wireworms (Southeastern US) | 2-4 qts. per acre | For potatoes grown on mineral soils in the Southeast, apply before planting and immediately incorporate into the top 3-6 inches of soil depending on location of wireworms. |
| Potatoes (continued) | Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leafminers | ½-¾ pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 35 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leaf-miners. |
| | Banded Cucumber Beetles, Leafhoppers, Southern Armyworms | ¾-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 35 days of harvest or illegal residues may occur. |
| Note: Do not use on commercially grown potatoes which will be hand-harvested. | | | |

| Crop | Pest | Rate | Timing/Special Directions |
|----------------|--|--------------------|--|
| Radishes | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Flea Beetles, Dipterous Leafminers | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 3 applications per season. Do not apply within 14 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |
| Spinach | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Dipterous Leafminers | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate-resistant leafminers. |
| Squash, Summer | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Serpentine Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, Spider Mites | ½-1½ pts. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 7 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |

| Crop | Pest | Rate | Timing/Special Directions |
|--|---|--------------------|--|
| Squash, Winter | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Serpentine Leaf-miners, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, Spider Mites | ½-1½ pts. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 3 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leaf-miners. |
| Sweet Corn | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Seed Corn Maggots | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 2 inches of soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Corn Earworms | 1-1¼ qts. per acre | Apply when silks first appear. Repeat application every 7 days if necessary. Do not make more than 5 applications per season. |
| | Corn Rootworm (adults) | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. |
| | Corn Leaf Aphids | 1-2 pts. per acre | Apply in sufficient water to provide complete coverage to the upper portions of the plants. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. |
| Sweet Corn (continued) | Grasshoppers, Spider Mites, Flea Beetles | 1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. |
| | Sap Beetles | 2-2½ pts. per acre | Consult local agricultural authorities for proper timing of sprays. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. |
| Notes: (1) To protect bees, do not apply foliarly to corn during the pollen shed period. (2) Allow 7 days after the last application before grazing or cutting for forage. Forage may be fed to beef and dairy cattle and sheep. (3) Corn may be picked 7 days after the last application. | | | |
| Sweet Potatoes | Wireworms, | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |

| Crop | Pest | Rate | Timing/Special Directions |
|----------------------------|---|--------------------|--|
| Swiss Chard | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Imported Cabbageworms, Diamondback Moths, Harlequin bugs | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest or illegal residues may occur. |
| Tomatoes | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Dipterous Leafminers | ½ pt. per acre | Apply as insects appear. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. |
| | Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms, Beet Armyworms | ¾-1 pt. per acre | Do not apply within one day of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |
| | Vinegar Flies (<i>Drosophila</i> spp.) | ½-1½ pts. per acre | |
| Turnips, Roots and Tops | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) |
| | Mole Crickets | 1 qt. per acre | One to two days before planting, broadcast and immediately incorporate into the soil. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Flea Beetles, Dipterous Leafminers | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |

FIELD CROPS - REI 24 Hours

Soil and foliar applications of Prentox Diazinon AG500 should always be applied as a spray in sufficient water to ensure thorough coverage. For foliar applications, observe stated time intervals between last application and harvest, as well as intervals between applications and total number of applications that can be made per season.

Pre-Harvest Interval (PHI*) For Foliar Applications

| Crop | PHI* (Days) |
|-------------|-------------|
| Hops | 14 |
| Sugar Beets | 14 |

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

| Crop | Pest | Rate | Timing/Special Directions |
|-------------|--|-------------------|--|
| Sugar Beets | Aphids, Spider Mites | 1 qt. per acre | Apply as pests occur. Repeat application, as necessary, every 14 days. Do not make more than 4 applications per season. Do not apply within 14 days of harvest. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting. Incorporate into soil 4-6 inches. Do not apply more than 4 qts. of this product to the soil, per season. |
| | Beet Leafhoppers, Dipterous Leafminers, Aphids | ½-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate-resistant leafminers. |
| | Grasshoppers | 1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest. |

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

GRASSLAND INSECTS

Ditch Banks, Roadsides, Wasteland, Noncrop Areas, Barrier Strips

Grasshoppers: Spray ½-1 pt. per acre in water (minimum of 1 gal. of water per acre) for aerial applications or a minimum of 5 gals. of water per acre for ground applications or in oil (a minimum of 1 gal. of oil per acre) when insects first appear, preferably in the nymphal stage. Thorough coverage of the foliage is essential.

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

INSECT CONTROL ON ORNAMENTALS - REI 12 Hours

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

| Insects | Amount of Prentox Diazinon AG500 to Use | |
|--|--|--------------------------------|
| | Rate Per 3 Gals. of Water | Rate Per 100 Gals. of Water |
| Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dipterous Leafminers, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leaf-tiers, Privet Mites, Scale Crawlers (Cottonycushion, Lecanium, Pine Needle, San Jose, Soft), Thrips, Two-spotted Spider Mites, Juniper Webworms, Whiteflies | ½ fl. oz.* | 1 pt.** |
| Apple-and-Thorn Skeletonizers, Cotoneaster Webworms, Fall Webworms, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars | 1½ fl. oz.* | 3 pts.** |

*1 fl. oz. = 2 tablespoons
**16 fl. oz. = 1 pt.

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

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

LAWN PEST CONTROL (Excluding Golf Courses and Sod Farms)

Precautions: Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds, especially waterfowl. Avoid overlapping sprays. If waterfowl, (ducks or geese), can be expected to enter the treated area after treatment (except spot treatments), water lawn with at least ¼ inch of water immediately after application, however, stop watering before puddling occurs. To control pests listed below, apply recommended rates.

| Pest | Rate/1000 sq. ft. | | Remarks |
|---|------------------------------|---------|---|
| | Prentox Diazinon AG500 | Water | |
| Lawn Chinch Bugs | 2-3 fl. oz. | 3 gals. | Use higher rate for longer residual control and in lawns of dense growth such as St. Augustine lawns. |
| Ants, Armyworms, Bermudagrass Mites, Clover Mites, Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Leafhoppers, Sod Webworms (Lawn Moths), Sowbugs, (Pillbugs), Springtails (<i>Collembola</i>) | 2-3 fl. oz. | 3 gals. | Spot spray ant hills and wasp ground nest openings. For digger wasps, apply at dusk when wasps are not active. For frit flies, before treatment mow grass and water well but delay application until grass is dry. For billbug control, apply when activity is first observed or when chewed or brown grass is present, indicating damage from this insect. |
| Brown Dog Ticks, Chiggers, Fleas | 3 fl. oz. | 3 gals. | Note: Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house. |
| Hyperodes Weevils | 3 fl. oz. | 3 gals. | Treat problem areas in mid-April and again in mid-May. |
| Millipedes | 3 fl. oz. | 3 gals. | |
| Rhodesgrass Scales | 3 fl. oz. | 3 gals. | Apply when crawlers first emerge |
| White Grubs (such as Japanese Beetle Larvae, European Chafer, Southern Chafer) | 3 fl. oz. | 3 gals. | Apply any time between late July and early October. |

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NUISANCE PESTS IN OUTSIDE AREAS

Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (Pillbugs), Spiders, Springtails (*Collembola*)

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

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

CAUTION

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

Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear Long-sleeved shirt and long pants, chemical resistant gloves, such as barrier laminate or viton, and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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.

ENVIRONMENTAL HAZARDS

This product is highly toxic to birds, fish and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Because of the migratory habits of Atlantic Coast waterfowl, do not apply this product to 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, especially waterfowl. Avoid overlapping of sprays. On lawns, if waterfowl, (ducks or geese) can be expected in the treated area after treatment (except spot treatment), apply at least ¼ inch of water immediately after spraying this product, however, stop watering before puddling occurs. 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 wash waters.

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

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill, or store near heat or open flame.

ADHESIVE PANEL

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

PRENTOX® DIAZINON AG500 INSECTICIDE
ORGANOPHOSPHATE

For control of certain insects on fruits, nuts, vegetables, field crops, lawns, and ornamentals
This product must not be used on golf courses and sod farms.

ACTIVE INGREDIENT:

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

INERT INGREDIENTS*: 52.0%

TOTAL 100.0%

*Contains xylene range aromatic solvent. Prentox® Diazinon AG500 contains 4 lbs. Diazinon per gallon

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KEEP OUT OF REACH OF CHILDREN
CAUTION
STATEMENT OF PRACTICAL TREATMENT
ORGANOPHOSPHATE

If swallowed: Call a physician or Poison Control Center immediately. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia. Do not give anything by mouth if person is unconscious or convulsing. If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. If on skin: Wash promptly with soap and water. Rinse thoroughly. Get medical attention. If in eyes: Rinse eyes with plenty of water. Call a physician if irritation persists. Note to Physician: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. This product contains a xylene range aromatic solvent which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.

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 rinsate cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Container: Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or incinerate, or burn, if allowed by state and local authorities. Stay out of smoke from burning 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.

See Additional Precautionary Statements And Directions For Use Inside Booklet

E.P.A. REG. NO. 655-459

E.P.A. EST. NO. 655-GA-1

Manufactured by:
PRENTISS INCORPORATED

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