APR 1 6 1997

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

Dear Mr. Miller:

Subject: Amendment- Comply with Agency letter of November 22, 1996
Prentox Diazinon AG500 Insecticide
EPA Registration Number 655-459
Your submission dated February 13, 1997

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) On the front panel, add an outline box around the RESTRICTED USE heading and associated text (as seen on this label's "adhesive panel").
 - b) In the Non-Agricultural Use Requirements revise "scope of the" to "scope of the".
 - c) Do <u>not</u> delete "Do not apply this product through any type of irrigation system to other crops.". This label's current directions only cover chemigation application to cranberries.
 - d) Add "to wait" between "days" and "between" in the PHI note under the PHI table for Fruits and Nuts.
 - e) Throughout the Fruits and Nuts directions, in the NOTES about PHI intervals, start each such sentence with "To avoid illegal residues,". Your label is inconsistent in this regard.

- f) In the directions for the crop Caneberries, delete "Do not make more than 5 applications per season. Do not apply within 7 days of harvest or illegal residues may occur." from the directions for control of Leafhoppers, etc. and delete "Do not apply within 7 days of harvest, or illegal residues may occur." from the directions for control of Dryberry Mites and then under all the directions for Caneberries add a Notes section as follows:
 - 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.
- g) For the crop Cranberries, in the directions for control of Blackheaded Fireworms, replace "Apply when pest appears." with "Apply to larval stage. Pheromone trap captures and sweep monitoring may be used to optimize treatment timing.". Retain the rest of the text as is, except that you may chose to delete the PHI sentence and have it appear in the revised NOTES (see item "h", below).
- h) Also for the crop Cranberries, for Cranberry Fruitworms the rate should be 2-3 qts. and in the directions replace the current text with "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." These revised directions do not include the PHI sentence since it will appear in the Notes. Add a NOTES section as follows:
 - 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.
- i) For the crop Strawberries, delete "Do not apply within 5 days of harvest or illegal residues may occur." from the directions for control of Aphids, etc., Cyclamen Mites, and Strawberry Leafrollers since this same limitation will appear in the new Notes for this crop entry (see below). Also, delete "Application may be made to plants after harvest." from

the directions for control of Cyclamen Mites. Such a postharvest use is not supported by the residue data generated by NOVARTIS (previously CIBA). Add a NOTES section as follows:

NOTES: 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.

- j) In the directions for the crop Walnuts delete "Do not make more than 3 applications per season. Do not apply within 45 days of harvest or after husks open, or illegal residues may occur." from the directions and then add a Notes section as follows: 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.
- k) Add "to wait" between "days" and "between" in the PHI note under the PHI table for Vegetables.
- 1) For all Vegetable Crops entries that include the pest Mole Crickets, you may replace "Apply to plant beds or fields 1 to 2 days before sowing of seed or transplanting and immediately incorporate into the soil." with "One to two days before planting, broadcast and immediately incorporate into the soil."
- m) For all Vegetable Crops entries that include the pest Root Maggots, you may replace "Apply to plant beds or fields just before sowing of seed or transplanting and immediately incorporate into the top 3-4 inches of soil." with "Broadcast just before planting and immediately incorporate into the top 3-4 inches of soil."
- n) For the crop Sweet Potatoes, delete the pest Flea Beetles appearing with Wireworms since soil incorporation is not appropriate as a control for the foliar pest Flea Beetles.
- o) Add "to wait" between "days" and "between" in the PHI note under the PHI table for Field Crops.
- p) Revise the Note appearing under the crop Sugar Beets to read "Sugar Beet tops may be fed to beef and dairy animals.".
- q) In the directions paragraph for Insect Control on Ornamentals, add "Repeat as necessary." to appear after "dense foliage."

- r) In the LAWN PEST CONTROL Precautions, in the seventh sentence revise "If waterfowl, i.e., ducks or geese, can be" to read "If waterfowl (ducks or geese) can be".
- s) In the Lawn Pest Control table revise the directions for control of Frit Flies to read "For frit flies, before treatment mow grass and water well, but delay application until grass is dry.".
- t) In the Personal Protective Equipment recommendation, please note that Novartis (CIBA) indicates Category F rather than Category G for chemical resistance. Is there a reason for this difference?
- u) In the Environmental Hazards revise "If waterfowl, i.e. ducks or geese, can be ..." to read "On lawns, if waterfowl (ducks or geese) can be ...". Also, you may delete "For terrestrial uses," before "Do not apply directly to water....".
- 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.

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.

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 with COMMENTS in EPA Letter Doted

APR 1 6 1997

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

Prentox Diazinon AG500 Insecticide

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.

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REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCII 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

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 rate of Prentox 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 Prentox 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.

	Aerial Application	Ground Application Minimum Gals/Acre		
Crop	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	

A 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.

Стор	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 between the last application and harvest: may vary based on use pattern selected. See specific directions for use on grapes.

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.

^{** =} Dormant spray only.

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	I 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,
	ore than 4 pts. of product per acre penimum of 21 days between the last a		ots. of product per acre per season. (2) To avoid
Caneberries (CA, OR and WA only) (Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries)	Leafhoppers, Thrips, Aphids, Two-spotted Spider Mites, Raspberry Fruit- worms, Raspberry Saw- flies	l qt. per acre	Apply as insects occur. Repeat application after 14 days if necessary. Do not make more than 5 applications per season. Do not apply within 7 days of harvest or illegal residues may occur 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 application 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. Do not apply
			within 7 days of harvest or illegal residues may occur.
1	Raspberry Crown		Apply a single application in a

Prentox Diazinon AG500 Insecticide

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Сгор	Pest	Rate	Timing/Special Directions
Cherries	Eyespotted Bud Moths Fruit Tree Leaf- rollers	I pt. in 100 gals. of water	Apply in cover sprays as infesta- tions 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	1/2-1 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	1/2-1 pt. in 100 gals. of water	Apply to trees as a single supplemental spray after harvest.
	e more than 3 applications per season. (? cre per season. (3) Allow a minimum of		of product per acre per application and no more than ion and harvest.
Cranberries	Blackheaded Fireworms (<i>Rhopobota</i> naevana) .	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 when pest appears. Repeat application after 14 days if necessary. A maximum of 6 applications per season is permitted. Donot apply within 7 days of harvestor illegal residues may occur.
			Apply when pest appears. Repeat application after 14 days if necessary. A maximum of 4 applications per season is permitted. Do not apply within 7 days of harvest or illegal residues may occur.
use. Do not use water approved labels.	from irrigated or flooded cranberry be	eds for drinking purposes or to it	rigate crops other than those appearing on EPA
Grapes	Pacific spider mites, Leafhoppers, Grape Berry Moths, Grape Leaffolders, 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.
·	Drosophila spp.	6 fl. oz. per acre in a minimum of 100	Apply as pest occurs as a thorough cover spray. Repeat application after 7

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	I 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.
	ly more than 4 pts, of product per acre per application and harvest.	application and no more than 12	2 pts. per acre per season. (2) Allow a minimum of 21
Peaches	Aphids, Brown Mites (Clover Mites), Two-spotted SpiderMites, 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	I 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	I 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.
	ly more than 4 pts. of product per acre per between the last application and harvest.	application and no more than 12	2 pts. of product per acre per season. (2) Allow a
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-I pt. in 100 gals, of water	

minimum of 21 days between the last application and harvest.

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Crop	Pest	Rate	Timing/Special Directions
Prunes	Brown Mites (Clover Mites), European Red Mites	I 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	
	ore than 4 pts. of product per acre pe en the last application and harvest.	r application and no more than 12	2 pts. of product per acre per season. (2) Allow a
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. Do not apply within 5 days of harvest or illegal residues may occur.
-	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. Do not apply within 5 days of harvest or illegal residues may occur. Application may be made to plants after harvest.
	Mole Crickets	I qt. per асте	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	%-1 pt. in 100 gals. of water	Apply 200 gals. of spray per acre when blossoms show color. Do not apply within 5 days of harvest or illegal residues may occur.
Walnuts (CA only)	Aphids, Spider Mites	1 qt. per acre	Apply as a foliar spray. Repeat application in 14 days if necessary. Do not make more than 3 applications are access. Do
	Codling Moths, Scale Crawlers, Walnut Caterpillars	3 qts. per acre	than 3 applications per season. Do not apply within 45 days of harvest or after husks open or illegal residues may occur. Make ground applications in a minimum of 100 gals. of water per acre.

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.

		Application	-
_	Minimum Ol		Aerial Application
Crop	Gals./Acre	Gals./1,000 Sq. Ft.	Minimum Gals./Acre
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	<u> </u>	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
Spìnach	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

Стор	PHI* (Days)
Beans (Lima, Pole and Snap)	7
Bcets, Red (Table)	14
Broccoli	7
Brussels Sprouts	7 .
Cabbage	21
Cantaloupes	3
Carrots	14
Casabas	3
Cauliflower	7
Chinese Broccoti	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 Com	7
Swiss Chard	14 - •
Tomatoes	1
Turnips, Roots and Tops	14
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 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 Leafininers	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	¾ 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 treat ment 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 treat ment 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	Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	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 14 days of harvest, or illegal residues may occur.
			Note: Diazinon will not control organophosphate resistant leaf-miners.

Crop	Pest	Rate	Timing/Special Directions
Broccoli	Root Maggots	2-3 qts. per acre	Apply to plant beds or fields just before sowing of seed or transplanting and immediately in corporate 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 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	I qt. per acre	Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately in corporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers	⅓-1 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	Apply to plant beds or fields just before sowing of seed or transplanting 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 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	I qt. per acre	-Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately incorporate into the top 1-2 inches of soil.

Сгор	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	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.
Cabbage	Root Maggots	2-3 qts. per acre	Apply to plant beds or fields just before sowing of seed or transplanting 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	I gt. per acre	Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately in corporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	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 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	I qt. per acre	Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately in corporate into the top 1-2 inches of soil.
	Wireworms ,	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	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.

Crop	Pest	Rate	Timing/Special Directions
Cauliflower	Root Maggots	2-3 qts. per acre	Apply to plant beds or fields just before sowing of seed or transplanting 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 cts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	I qt. per acre	Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately in corporate into the top 1-2 inches of soil.
	Wireworms	3-4 cts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moths, Imported Cabbageworms,	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.
	Dipterous Leafininers		Do not apply within 5 days of harvest or illegal residues may occur.
			Note: Diazinon will not control organophosphate-resistant leafminers.
Chinese Broccoli	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.
	Dipterous Leafminers		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.	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.
	Dipterous Leafminers		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	⅓-1 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	l 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	Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moths, Imported Cabbageworms	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.
	Harlequin bugs, Com Earwonns		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 Leaf- miners, Thrips,	I pt. per acre	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season.
	Striped Cucumber Beetles, Melonworms		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	l qt. per acre	Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately in corporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Dipterous Leastminers	1/2-I 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	¾-1 pt. per acre	Spray when insects first appear. For heavy insect infestations, use 1pt. 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	Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately in corporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediatelyincorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moths, Imported Cabbageworms, 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 10 days of harvest or
Lettuce	Corn Earworms Cutworms	2-4 qts. per acre	illegal residues may occur. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	1 qt. per acre	Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately in corporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.

Crop	Pest	Rate	Timing/Special Directions
Lettuce (continued)	Aphids, Dipterous Leasminers	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.	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
Honeydews, Muskmelons, Persians and	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
Hybrids of these) and Watermelons	Aphids, Dipterous Leafminers, Thrips, Striped Cucumber Beetles, Melonworms,	1/2-11/2 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
	Leafhoppers, Spider Mites		harvest or illegal residues may occur.
			Note: Diazinon will not control organophosphate-resistant leaf- miners.
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	Apply to plant beds or fields I-2 days before sowing of seed or transplanting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Dipterous Leafminers, Diamondback Moths, Imported	½-1 pt. per асте	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season.
	Cabbageworms		Do not apply within 10 days of harvest or illegal residues may occur.
			Note: Diazinon will not control organophosphate-resistant leaf-miners.

Стор	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 leaf-miners.

Crop	Pest	Rate	Timing/Special Directions
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	I qt. per acre	Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately incorporate into the top 1-2 inches of soil.
-	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	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.

Crop	Pest	Rate	Timing/Special Directions
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 leafminers.
	Banded Cucumber Beetles, Leafhoppers, Southern Army- worms	%-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-harv	ested
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	Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Flea Beetles, Dipterous Leafminers	1/2-1 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 leaf-

Crop	Pest	Rate	Timing/Special Directions
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	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 14 days of harvest.
			Note: Diazinon will not control organophosphate-resistant leaf-miners.
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 Leaf- miners, Thrips, Striped Cucumber	1/2-11/2 pts. per acre	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season.
	Beetles, Melonworms, Leafhoppers, Spider Mites		Do not apply within 7 days of harvest or illegal residues may occur.
			Note: Diazinon will not control organophosphate-resistant leaf-miners.

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	1/2-11/2 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-
Sweet Corn	Cutworms	2-4 qts. per acre	miners. Broadcast just before planting and immediately incorporate into the
	Seed Corn Maggots	2-4 qts. per acre	soil. (See Soil Incorporation Note.) 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	I-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.

Crop	Pest	Rate .	Timing/Special Directions
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	2-21/2 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.
last application befo			shed period. (2) Allow 7 days after the peef and dairy cattle and sheep. (3) Corn
Sweet Potatoes	Wireworms, Flea Beetles	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
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.

Crop	Pest	Rate	Timing/Special Directions
Tomatoes	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	I qt. per acre	Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	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	%-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 (Drosophila spp.)	½-1½ pts. per acre	

Crop	Pest	Rate	Timing/Special Directions
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	Apply to plant beds or fields 1-2 days before sowing of seed or transplanting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Flea Beetles, Dipterous Leafminers	⅓-1 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 leaf-miners.

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 between the last application and harvest.

Crop	Pest	Rate	Timing/Special Directions
Hops	Aphids, Spider Mites	I qt. per acre	Apply as pests occur. Repeat application, as necessary, every 14 days. Do not make more than 4 applications per season.
			Do not apply within 14 days of harvest.
Sugar Beets	Wireworms	3-4 qts. per acre	Broadcast just before planting. Incorporate into soil 4-6 inches.
			Do not apply more than 4 qts. of this product to the soil, per season.
·	Beet Leafhoppers, Dipterous Leafminers, Aphids	34-1 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 leaf-miners.
	Grasshoppers	l 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.

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

Grasshoppers: Spray \(^{1}\)-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.

	Amount of Prentox Diazinon AG500 to Use	
Insects	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 Leaftiers, 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

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.

^{**16} fl. oz. = 1 pt.

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 I 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, i.e. ducks or geese, can be expected to enter the treated area after treatment (except spot treatments), water lawn with at least ½ inch of water immediately after application, however, stop watering before puddling occurs.

To control pests listed below, apply recommended rates.

	Rate/1000 sq. ft.		
Pest	Prentox Diazinon AG500	Water	Remarks
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 (Collembola)	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, mow grass and water well before treatment, 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.

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 houses, spray a five-foot band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 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 G 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. If waterfowl, i.e. 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. 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 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.

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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 ortain insects on finits, nuts, vegetables, field crops, lawns, and omamentals

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

ACTIVE INGREDIENT:
O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothicate
INERT INGREDIENTS*:

*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 ndicated 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 ini 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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