

PM15 10107-19 12/11/90

116



# CORN BELT

## DIAZINON AG 500

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

**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.

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

**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.  
 Diazinon AG500 contains 4 Lbs. diazinon per gallon.

### KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

Precaución Al Usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta haya sido explicado ampliamente. See additional precautionary statements at end of booklet. See directions for use inside booklet.

EPA Est. No. 10107-NB-1 EPA Reg. No. 10107-19

#### 4 General Information

##### Sprinkler Chemigation

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located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.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

##### Operating Instructions

- Determine the acreage to be treated by the sprinkler system.
- Measure the appropriate amount of Diazinon AG500 needed to treat the acreage to be treated. Refer to the specific directions for

#### General Information 1

##### 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 Cornbelt Chemical Co. or the Seller. All such risks shall be assumed by the Buyer.

Cornbelt Chemical Co. 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. Cornbelt Chemical Co. makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Cornbelt Chemical Co. or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Cornbelt Chemical Co. 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 Cornbelt Chemical Co.

#### General Information 5

use for cranberries for the application rate and the amount of water per acre.

- Add the pre-measured Diazinon AG500 to the chemigation system supply tank and dilute with water if needed. Proper agitation is needed if Diazinon AG500 is tank mixed with other pesticides registered for sprinkler chemigation application to cranberries.
- Start the irrigation system and bring the system up to full pressure, making certain that all sprinkler heads are functioning properly.
- Engage the chemigation injection or venturi system to add the Diazinon to the irrigation lines.
- Continue to run irrigation system for a few minutes after supply tank is empty to allow material in the irrigation lines to reach the sprinkler heads furthest from the chemigation injection point.

##### Work Safety Rules

**REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.**

When handling 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. When handling this product, wear the personal protective equipment listed in the following section.

**Personal Protective Equipment**  
 Long-sleeved shirt, long-legged pants, shoes and socks, and chemical-resistant gloves.

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

#### General Information 2

##### General Information

Diazinon AG500 is an amulsifiable 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 in barns or dwellings. Do not use on livestock. In the directions for use which follow, best control is obtained when application is made at first sign of pests. Application should be repeated only as directed to maintain control. To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, since crop or plant injury may result. Diazinon AG500 may be applied aerially to head lettuce, tomatoes, peaches, nectarines, plums, prunes, cherries, apricots, almonds, and walnuts only.

##### DIRECTIONS FOR USE

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

**FAILURE TO FOLLOW ALL PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.**

##### CHEMIGATION

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

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.

#### General Information 6

##### Re-entry Statement

Twenty-four hours must elapse between the time of application to vegetables, fruits, nuts and field crops and the time a worker enters or is allowed to enter the treated area, unless the person entering the treated area is wearing the personal protective equipment listed above. For lawns, ornamentals, or non-crop areas, do not enter or allow entry into treated areas without personal protective equipment until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. (See NOTE below.)

In vegetables, fruit trees, or field crops, written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must inform workers of areas or fields that may not be entered without specific personal protective equipment for 24 hours after application, and appropriate actions to take in case of accidental exposure, as described under Statement of Practical Treatment in the Precautionary Statements on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **WARNING:** Area treated with Diazinon AG500 on (date of application). Do not enter without appropriate personal protective equipment for 24 hours after application. In case of accidental exposure, flush eyes or skin with plenty of water. Call physician if irritation persists. Remove and wash contaminated clothing before reuse. Note: The California Department of Agriculture has set a 5-day reentry period for diazinon on grapes, peaches, and nectarines. Five days should elapse between the time of application and the time a worker may enter the field to engage in any activity requiring substantial contact with treated foliage. When a mixture of two or more organophosphate pesticides are applied in combination, the interval should be prolonged by adding to the largest applicable interval an additional 50% of that interval.

#### General Information

Do not apply this product through any type of irrigation system other than through sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in 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 - present safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for operation, or under the supervision of the responsible person, shall shut the system on and make necessary adjustments if the operator notices any problem.

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

- Public water system means a system for the provision to 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.
- 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 pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

#### Fruit and Nuts

##### Fruit and Nut Crops

Diazinon AG500 may be applied using ground or aerial application equipment (for certain crops) as follows in the table below. The specific amount of product to be used appears under separate directions for use for each crop.

Crop	Air	Minimum Gallons/Acre	Minimum Gallons/Acre	
			Ground	Dilute Con
Almonds*	Yes	20	Yes	100
Apricots	Yes	20	Yes	100
Blackberries**	No	-	Yes	10
Boyamberrries**	No	-	Yes	10
Cherries	Yes	20	Yes	100
Cranberries	No	-	Yes	400
Dewberries**	No	-	Yes	10
Grapes	No	-	Yes	20
Loganberries**	No	-	Yes	10
Nectarines	Yes	20	Yes	100
Peaches	Yes	20	Yes	100
Pineapples	No	-	Yes	200
Plums	Yes	20	Yes	100
Prunes	Yes	20	Yes	100
Raspberries**	No	-	Yes	10
Strawberries	No	-	Yes	10
Walnuts*	Yes	20	Yes	100

\*CA only.  
 \*\*CA, OR, or WA only

The rate of Diazinon AG500 for concentrate ground and air sprays is based on a dilute full cover with conventional ground equipment applied at 300-600 gallons of water per acre. If directions call for 1 pt. of Diazinon AG500 in 100 gallons of water, it amounts to 3-6 pts. per acre when applied at dilute ground spray volumes.

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Not Reviewed. Registration cancelled in accordance with the provisions of the Federal Insecticide, Fungicide, and Rodenticide Act.

8 Fruit and Nuts

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:

Crop	PHI*	No. of Applications Permitted Per Season
Almonds	45	5
Apricots	10	8
Blackberries	7	5
Boysenberries	7	5
Cherries	10	5
Cranberries	7	5
Dewberries	7	5
Grapes	18, 7	5
Loganberries	7	5
Noctarines	10	5
Peaches	20	5
Pineapples	7	8
Plums, Prunes	10	5
Raspberries	7	5
Strawberries	5	5
Walnuts	45	5

\*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 for grapes.

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

9 Fruit and Nuts

Crop	Pest	Rate	Timing/Special Directions
Almonds (CA only)	San Jose Scale, Pannaria Scale	1-1 1/2 pts. + 2-3 gallons dormant oil or 1-1 1/2 gallons superior type oil in 100 gallons of water	Apply as a dormant spray. Do not apply more than 6 pts. of diazinon or 9 gallons of oil per acre.
	Spider Mites, Twig Borers	1-1 1/2 pts. in 100 gallons of water	Apply as infestations occur. Repeat application after 14 days if necessary. Do not apply more than 6 pts. of diazinon per acre per application or make more than 3 applications per season. Do not apply within 45 days of harvest or illegal residues may occur. Almond hulls may be fed to livestock.
Apricots	Aphids, Brown Mites (Clover Mites), Two-spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers	1 pt. in 100 gallons of water	Apply as infestations occur. Repeat application after 14 days if necessary. Do not apply more than 6 pts. of diazinon per acre per application or make more than 4 applications per season. Do not apply within 10 days of harvest or illegal residues may occur.

10 Fruit and Nuts

Crop	Pest	Rate	Timing/Special Directions
Apricots (cont.)	Olive Scale Crawlers	1/2 pt. + 1 1/2 gallons of light medium horticultural oil per 100 gal. of water	Apply when scale crawlers are present. Do not apply more than 6 pts. of diazinon per acre per application or make more than 4 applications per season. Do not apply within 10 days of harvest or illegal residues may occur.
	Apricot Mealybugs	1 pt. per 100 gallons of water	Apply as a cover spray from petal fall to June to a maximum of 6 pts. per acre per application. Allow 14 days between applications and do not make more than 4 applications per season. Do not apply within 10 days of harvest or illegal residues may occur.
Cherries (CA, OR & WA only) (Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries)	Leafhoppers, Thrips, Aphids, Two-spotted Spider Mites, Raspberry Sawflies, Raspberry Fruitworms	1 qt. per acre	Apply as insects occur. Repeat applications after 14 days if necessary. Do not make more than 5 applications per season. Do not apply within 7 days of harvest or illegal residues may occur. Apply in a minimum of 100 gallons per acre. (200 gallons acre maximum) For raspberry fruitworms make one application when blossoms buds open. Make a second application immediately before blossoms open.
	Raspberry Crown Borers, (Raspberry Root Borers)	2 qts. per acre	Apply a single application in a minimum of 100 gallons of water per acre as a drench to the crown and lower canes in the Spring before buds break.
	Cherry Root Mites	1/2-1 pt. in 100 gallons of water	Apply to trees as a single supplemental spray after harvest. Do not apply more than 6 pts. of diazinon per acre per application.

216 Fruit and Nuts

Crop	Pest	Rate	Timing/Special Directions
Cherries (cont.)	Dryberry Mites	1-2 qts. per acre	Apply as a dormant spray in early Spring when canes are still on the ground and buds are closed. Make a second application when buds are well developed but are still closed. Apply in a minimum of 100 gallons of water per acre. Do not apply within 7 days of harvest or illegal residues may occur.
Cherries	Eyespotted Bud Moths, Fruit Tree Leafrollers	1 pt. in 100 gallons of water	Apply in cover sprays as infestations occur beginning at petal fall. Repeat application after 7 days if necessary. Do not apply more than 6 pts. of diazinon per acre per application or make more than 4 applications per season. Do not apply within 10 days of harvest or illegal residues may occur.
	Leafhoppers	1 pt. in 100 gallons	Make 3-4 applications beginning at petal fall and continuing through the growing season as infestations occur. Do not apply more than 6 pts. of diazinon per acre per application. Allow 7 days between applications. Do not apply within 10 days of harvest or illegal residues may occur.
	Cherry Root Mites	1/2-1 pt. in 100 gallons of water	Apply to trees as a single supplemental spray after harvest. Do not apply more than 6 pts. of diazinon per acre per application.

12 Fruit and Nuts

Crop	Pest	Rate	Timing/Special Directions
Cherries (cont.)	Cherry Fruitflies	1/2-1 pt. in 100 gallons	Make 3-4 applications beginning when adult flies begin to emerge and repeating at 10 day intervals. Do not apply more than 6 pts. of diazinon per acre per application. Do not apply within 10 days of harvest or illegal residues may occur.
	Black Cherry Aphids	1 pt. in 100 gallons	Apply as a cover spray when aphids appear. Repeat application after 10 days if necessary. Do not apply more than 6 pts. of diazinon per acre per application. Do not apply within 10 days of harvest or illegal residues may occur.
	San Jose Scale Crawlers	1 pt. in 100 gallons	Apply during the pre-pink stage or when crawlers first appear. Do not apply more than 6 pts. of diazinon per acre per application. Do not apply within 10 days of harvest or illegal residues may occur.
Cranberries	Blackheaded Fireworms (Rhagoletis Narana)	2 qts. in 400 gallons of water	Apply when pest appears. Repeat application after 14 days if necessary. A maximum of 6 applications per season is permitted. Do not apply within 10 days of harvest or illegal residues may occur.
	Cranberry Fruitworms	3 qts. in 400 gallons of water	Apply when pest appears. Repeat application after 14 days if necessary. A maximum of 6 applications per season is permitted. Do not apply within 10 days of harvest or illegal residues may occur.
Note: This product may be applied to cranberry by thorough sprayer or irrigation. Refer to the section "Chemigation" for specific chemigation directions for use.			

13 Fruit and Nuts

Crop	Pest	Rate	Timing/Special Directions
Grapes	Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf-rollers, Quincevine Leaf-rollers, Aphids, Spider Mites	1-2 pts. per acre	Apply as pest occurs as a thorough cover spray. Repeat application after 7 days if necessary. Do not make more than 3 applications per season. Do not apply within 18 days of harvest or illegal residues may occur.
	Downy mildew	6 fl. oz. per 100 gallons of water (300 gallons maximum per acre)	Apply as a thorough cover spray when pest occurs. Repeat application after 7 days, if necessary. Do not make more than 3 applications per season. Downy mildew applications may be made up to 7 days before harvest if a fungicide is not used. If a fungicide is used, do not apply within 18 days of harvest or illegal residues may occur.
Noctarines	Oriental Fruit Moths	1 pt. in 100 gallons of water	Apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult flight. Do not apply more than 6 pts. of diazinon per acre per application. Do not apply within 10 days of harvest or illegal residues may occur.
	Aphids, Brown Mites (Clover Mites), Two-spotted Spider Mites, Olive Scale Crawlers, Peach Twig Borers	1 pt. in 100 gallons of water	Apply as infestations occur. Repeat applications after 14 days if necessary. Do not apply more than 6 pts. of diazinon per acre per application or make more than 4 applications per season. Do not apply within 10 days of harvest or illegal residues may occur.

14 Fruit and Nuts

Crop	Pest	Rate	Timing/Special Directions
Peaches	Aphids, Brown Mites (Clover Mites), Two-spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers	1 pt. in 100 gallons of water	Apply as infestations occur. Repeat application after 14 days if necessary. Do not apply more than 6 pts. of diazinon per acre per application or make more than 4 applications per season. Do not apply within 20 days of harvest or illegal residues may occur.
	Oriental Fruit Moths	1 pt. in 100 gallons of water	Apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult flight. Do not apply more than 6 pts. of diazinon per acre per application. Do not apply within 20 days of harvest or illegal residues may occur.
	Peach Twig Borers	1 pt. in 100 gallons of water	Apply as insects occur in May and June. Allow 7 days between applications. Do not apply more than 6 pts. of diazinon per acre per application or make more than 4 applications per season. Do not apply within 20 days of harvest or illegal residues may occur.
	Leafhoppers	1 pt. in 100 gallons of water	Make 3-4 applications beginning at petal fall and continuing through the growing season. Allow at least 7 days between applications. Do not apply more than 6 pts. of diazinon per acre per application or make more than 4 applications per season. Do not apply within 20 days of harvest or illegal residues may occur.

15 Fruit and Nuts

Crop	Pest	Rate	Timing/Special Directions
Peaches (cont.)	White Peach Scale	1 1/2-2 pts. in 100 gallons of water	Apply post-harvest timed to coincide with peak crawler or immature scale activity. Under conditions of heavy infestation 2 applications (7 days apart) may be needed. Do not apply before fruit is harvested.
Pineapples	Pineapple Mealybugs	2 qts. per acre	Apply in 200-300 gallons of water per acre. Repeat application necessary every 28 days up to a maximum of 8 applications. Do not apply within 7 days of harvest or illegal residues may occur. Pineapple forage and refuse must not be fed to livestock.
Plums	Brown Mites (Clover Mites), European Red Mites	1 pt. in 100 gallons of water	Apply as needed every 7 days to a maximum of 4 applications. Do not apply more than 6 pts. of diazinon per acre per application. Do not apply within 10 days of harvest or illegal residues may occur.
	Leaf curl Plum Aphids, Mealy Plum Aphids, Thistle Aphids	1/2-1 pt. in 100 gallons of water	Apply as needed every 7 days to a maximum of 4 applications. Do not apply more than 6 pts. of diazinon per acre per application. Do not apply within 10 days of harvest or illegal residues may occur.
Prunes	Brown Mites (Clover Mites), European Red Mites	1 pt. in 100 gallons of water	Apply as needed every 7 days to a maximum of 4 applications. Do not apply more than 6 pts. of diazinon per acre per application. Do not apply within 10 days of harvest or illegal residues may occur.

Crop	Pest	Rate	Timing/Special Directions
Prunes (cont.)	Leaf curl Pests Aphids, Mealy Plum Aphid, Thrips Aphid	1/2-1 pt. in 100 gallons of water	
Strawberry	Aphids, Tree spotted Spider Mites	1 pt. in 100 gallons 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 gallons of water per acre	Direct spray to the plant crowns. Plants should be sufficiently agitated to ensure thorough coverage of the foliage. Repeat applications after 7 days if necessary. Do not apply within 5 days of harvest or illegal residues may occur. Application may be made to plants after harvest. 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 Leaf- rollers	1/2-1 pt. in 100 gallons of water	Apply 200 gallons of spray per acre when blossoms show color. Do not apply within 5 days of harvest or illegal residues may occur.

Crop	Pest	Rate	Timing/Special Directions
Walnuts	Apple, Sucker Mites	1 qt. per acre	Apply as a foliar spray. Repeat application in 14 days if necessary. Do not make more than 3 applications per season. Do not apply within 45 days of harvest or other insects open or illegal residues may occur. Make ground applications in a minimum of 100 gallons of water per acre.
	Codling Moths, Scale Cawhens, Walnut Casebearer	3 qts. per acre	

Vegetable Crops

For foliar or soil applications, Diazinon AG500 should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil. Diazinon AG500 may be applied aerially only to certain crops as indicated in the following table. The specific amount of product to be used appears under the separate directions for use for each crop.

Crop	Ground Appl.	Min. Gallons or /Acre	Min. Gals /1,000 Sq. Ft.	Air Appl.	Min. Gallons /Acre
Beans, Lima, Snap, and Peas (succulent only)	Yes	10	2	No	-
Beans, Red (Table)	Yes	10	2	No	-
Broccoli	Yes	10	2	No	-
Brussels Sprouts	Yes	10	2	No	-
Cabbage	Yes	10	2	No	-
Cauliflower	Yes	10	2	No	-
Carrots	Yes	10	2	No	-
Corn	Yes	10	2	No	-
Cornflower	Yes	10	2	No	-
Colony	Yes	10	2	No	-

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**). For control of surface cutworms, incorporate 2-3 inches. For subterranean cutworms, incorporate 3-6 inches. 2) **To Protect Beans:** 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 (Pole, Snap or Lima - succulently)	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	1-1 1/2 pts. per acre	Apply as insects 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.
	Cucumber Beetles	1/2 pt. per acre	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 gallons of water per acre.  NOTES: 1) Diazinon will not control organophosphorus-resistant leafminers. 2) To protect beans, do not apply foliarly if the crop or weeds in the treatment area are in bloom.

Crop	Pest	Rate	Timing/Special Directions
Beans - succulent only)	Leaf-hoppers Mites	1 qt. 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 hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.
Beans, 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 5 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 organophosphorus-resistant leafminers.

Crop	Ground Appl.	Min. Gallons or /Acre	Min. Gals /1,000 Sq. Ft.	Air Appl.	Min. Gallons /Acre
Chinese Broccoli	Yes	10	2	No	-
Chinese Cabbage	Yes	10	2	No	-
Chinese Mustard	Yes	10	2	No	-
Chinese Radish	Yes	10	2	No	-
(PL. CA only)					
Collards	Yes	10	2	No	-
Cornflower	Yes	10	2	No	-
Cucumbers	Yes	10	2	No	-
Endive (Escarole)	Yes	10	2	No	-
Garlic	Yes	10	2	No	-
Headed Lettuce	Yes	10	2	No	-
Kale	Yes	10	2	No	-
Lettsen, Head	Yes	10	2	No	-
Mastardians	Yes	10	2	No	-
Mustard	Yes	10	2	No	-
Onions, Bulb and green	Yes	10	2	No	-
Parsley	Yes	10	2	No	-
Pumpkin	Yes	10	2	No	-
Peas (succulent only)	Yes	10	2	No	-
Peppers	Yes	10	2	No	-
Puritan Melons	Yes	10	2	No	-
Pumpkins (Irish)*	Yes	10	2	No	-
Radishes	Yes	10	2	No	-
Spinach	Yes	10	2	No	-
Squash, Summer	Yes	10	2	No	-
Squash, Winter	Yes	10	2	No	-
Sweet Corn	Yes	10	2	No	-
Sweet Potatoes	Yes	10	2	No	-
Swiss Chard	Yes	10	2	No	-
Tomatoes	Yes	10	2	No	-
Turkey	Yes	10	2	No	-
Watermelons	Yes	10	2	No	-

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

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

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

Crop	PHI (Days)
Beans (Lima, Snap, Peas)	7
Beans (Red (Table))	14
Broccoli	5
Brussels Sprouts	5
Cabbage	7
Cauliflower	3
Collards	10
Cornflower	3
Cucumbers	10
Endive	10
Garlic	10
Headed Lettuce	10
Kale	10
Lettsen, Head	10
Mastardians	10
Mustard	10
Onions, Bulb and green	10
Parsley	10
Pumpkin	10
Peas (succulent only)	10
Peppers	10
Puritan Melons	10
Pumpkins (Irish)*	10
Radishes	10
Spinach	10
Squash, Summer	10
Squash, Winter	10
Sweet Corn	10
Sweet Potatoes	10
Swiss Chard	10
Tomatoes	10
Turkey	10
Watermelons	10

\* 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**). For control of surface cutworms, incorporate 2-3 inches. For subterranean cutworms, incorporate 3-6 inches. 2) **To Protect Beans:** 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 (Pole, Snap or Lima - succulently)	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	1-1 1/2 pts. per acre	Apply as insects 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.
	Cucumber Beetles	1/2 pt. per acre	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 gallons of water per acre.  NOTES: 1) Diazinon will not control organophosphorus-resistant leafminers. 2) To protect beans, do not apply foliarly if the crop or weeds in the treatment area are in bloom.

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**). For control of surface cutworms, incorporate 2-3 inches. For subterranean cutworms, incorporate 3-6 inches. 2) **To Protect Beans:** 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 - succulent only)	Leaf-hoppers Mites	1 qt. 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 hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.
Beans, 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 5 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 organophosphorus-resistant leafminers.

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 incorporate into the top 3-4 inches of soil.  In transplant water as a drench application when 200-300 gal. of water are used per acre. Apply 1/2-1 cup (4 to 8 oz.) per plant by hand or by tractor-mounted spray or 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	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, Mites, Imported Cabbage- worms, Dipterous Leafminers	1/2-1 pt. per acre	Apply as insects occur. Repeat application, as necessary, every 5 days. Do not make more than 3 applications per season. Do not apply within 5 days of harvest or illegal residues may occur.  NOTE: Diazinon will not control organophosphorus-resistant leafminers.

Crop	Pest	Rate	Timing/Special Directions
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.  In transplant water as a drench application when 200-300 gal. of water are used per acre. Apply 1/2-1 cup (4 to 8 oz.) per plant by hand or by tractor-mounted spray or 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	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, Mites, Imported Cabbage- worms	1/2-1 pt. per acre	Apply as insects occur. Repeat application, as necessary, every 5 days. Do not make more than 3 applications per season. Do not apply within 5 days of harvest or illegal residues may occur.

Vegetable Crops 24			
Crop	Pest	Rate	Timing/Special Directions
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 ozs. 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 to 8 oz.) per plant by hand or by tractor-mounted spray or 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	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, Dipterous Leafminers	1/2-1 pt. per acre	Apply as insects occur. Repeat applications, 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.

Vegetable Crops 25			
Crop	Pest	Rate	Timing/Special Directions
Carrots	Catworms	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. Do apply within 5 days of harvest or illegal residues may occur.
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 ozs. 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 to 8 oz.) per plant by hand or by tractor-mounted spray or 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.)

Vegetable Crops 26			
Crop	Pest	Rate	Timing/Special Directions
Cauliflower (cont.)	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, 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 within 5 days of harvest or illegal residues may occur. NOTE: Diazinon will not control organophosphate-resistant leafminers.
Celery	Catworms	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, Flea Beetles, Cabbage Loopers	1 pt. per acre	Mix in 100 gallons of water to spray 1 acre (2 1/2 gallons for 1,000 sq. ft.). Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 10 days of harvest. To avoid illegal residues, plants should be market-trimmed (tops removed) before being shipped or used as food. Tops should not be used for food or feed.

Vegetable Crop 27			
Crop	Pest	Rate	Timing/Special Directions
Chinese Broccoli	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.
Chinese Mustard (Gai Choy)	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.
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 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.

Vegetable Crops 28			
Crop	Pest	Rate	Timing/Special Directions
Collards (cont.)	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 Cabbageworms, Corn Earworms	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.
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, 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.
Endive	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.

Vegetable Crops 29			
Crop	Pest	Rate	Timing/Special Directions
Endive (Escarole) (cont.)	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 10 days of harvest. NOTE: Diazinon will not control organophosphate-resistant leafminers.
Grasshopper	Leafhoppers, Aphids, Lygae Bugs, Flea Beetles, Jumping Plant Lice	1/2-1 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 season. Do not apply during flowering of three or four year old crops. Do not apply within 30 days of harvest. Do not treat areas or feed treated forage to livestock.
Kale	Catworms	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.

Vegetable Crops 30			
Crop	Pest	Rate	Timing/Special Directions
Kale (cont.)	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 Cabbageworms, Corn Earworms	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.
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	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	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. NOTE: Diazinon will not control organophosphate-resistant leafminers.

Vegetable Crop 31			
Crop	Pest	Rate	Timing/Special Directions
Melons (Cantaloupes, Casabas, Crenshaw, Honeydews, Musk-melons, Persian, and Hybrids of these) and water-melons	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	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 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	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, 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 3 days of harvest or illegal residues may occur. NOTE: Diazinon will not control organophosphate-resistant leafminers.

Vegetable Crops 32			
Crop	Pest	Rate	Timing/Special Directions
Onions (Green & Bulb)	Onion Maggots	2-4 qts. per acre	Broadcast just before planting and mix into the top 3-4 inches of soil by disk, harrow, or other suitable means. 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 10 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.
	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 5 applications per season. Do not apply within 10 days of harvest. NOTE: Diazinon will not control organophosphate-resistant leafminers.

Vegetable Crops 36			
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 10 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	1/2-1 1/2 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 3 days of harvest or illegal residues may occur. NOTE: Diazinon will not control organophosphate-resistant leafminers.

Vegetable Crops 33			
Crop	Pest	Rate	Timing/Special Directions
Peas (Summer-fall 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, Leafhoppers	1/2-1 pt. per acre	Apply as insects occur. Repeat application, as necessary, every 5 days. Do not make more than 3 applications per season. Peas may be picked immediately after application. Vines and hay may be fed to dairy and beef cattle and sheep. To avoid illegal residues, wait 4 days following treatment if forage is to be cut for hay. NOTE: 1). Diazinon will not control organophosphate-resistant leafminers. 2). To protect bees, do not apply foliarly if the crop of weeds in the treatment area are in bloom.
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 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.

Vegetable Crops 37			
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 Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, Spider Mites	1/2-1 1/2 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 3 days of harvest or illegal residues may occur. NOTE: Diazinon will not control organophosphate-resistant leafminers.
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 just before planting and immediately incorporate into the top 4-8 inches of soil.
	Corn Earworms	1-1 1/2 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 may be picked immediately following last application. Forage may be fed to beef and dairy cattle and sheep.

Vegetable Crops 34			
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	Apply to plant beds or fields 1-5 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 Leafminers	1/2-1 pt. per acre	Apply as insects occur. Repeat application, as necessary, every 5 days. Do not apply within 5 days of harvest or illegal residues may occur.
Potatoes	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.
	Southern Potato Wireworms (South-eastern U.S.)	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.

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

Vegetable Crops 38			
Crop	Pest	Rate	Timing/Special Directions
Sweet Corn (cont.)	Corn Rootworm Adults	1/2-1 pt. per acre	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 3 applications per season. Corn may be picked immediately following last application. Forage may be fed to beef and dairy cattle and sheep.
	Corn Leaf Aphids	1-2 qts. 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. Corn may be picked immediately following last application. Forage may be fed to beef and dairy cattle and sheep.
	Corn-hoppers, Spider Mites, Flea-beetles	1 pt. per acre	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Corn may be picked immediately following last application. Forage may be fed to beef and dairy cattle and sheep.
Soy Beans	Soy Beetles	2-2 1/2 pt. 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. Corn may be picked immediately following last application. Forage may be fed to beef and dairy cattle and sheep.

Note: To protect bees, do not apply foliarly to corn during the pollen shed period.

Vegetable Crop 35			
Crop	Pest	Rate	Timing/Special Directions
Potatoes (cont.)	Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leafminers	1/2-1/4 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 35 days of harvest or illegal residues may occur. NOTE: Diazinon will not control organophosphate-resistant leafminers.
	Banded Cucumber Beetles, Leaf-hoppers, Southern Armyworms	1/2 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 35 days of harvest or illegal residues may occur.
	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
Radishes	Mole Crickets	1 qt. per acre	Apply to plant beds or fields 1 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 10 days of harvest or illegal residues may occur. NOTE: Diazinon will not control organophosphate-resistant leafminers.

Vegetable Crop 39			
Crop	Pest	Rate	Timing/Special Directions
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.
	Cutworms	2-4 qts. per acre	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
Swiss Chard	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 Cabbageworm	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 12 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	Apply to plant beds or fields 1 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	Aphids, Dipterous Leafminers	1/2 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 1 day of harvest or illegal residues may occur.

Crop	Pest	Rate	Timing/Special Directions
Tomatoes (cont.)	Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms, Beet Armyworms	1/4 pt. per acre	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 1 day of harvest or illegal residues may occur.
	Vinegar Flies (Drosophila Spp.)	1/4-1/2 pt. per acre	
Turnips and Turnip 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, Dicotyledonous Leafminers	1/4 pt. per acre	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 1 day of harvest or illegal residues may occur. NOTE: Diazinon will not control or organophosphate-resistant leafminers.

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

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

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. Avoid overlapping of sprays. If waterfowl, i.e., ducks, geese, can be expected to enter the treated area after treatment (except spot treatments), water lawn with at least 0.25 inch water immediately after application, however stop watering before puddling occurs.

Pests	Rate/1,000 sq. ft.		Remarks
	Diazinon Ag 500	Water	
Lawn Chinch	2-3 fl. oz.	3 gals.	Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine lawn.
Ants, Armyworms, Clover Mites, Springtails (Collembola), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Leafhoppers, Sod Webworms, (Lawn Moths), Sowbugs, Millipede	2-3 fl. oz.	3 gals.	Spot spray ant hills and wasp ground nest openings. For frit flies, mow grass and water well before treatment but delay application until grass is dry. For digger wasps, apply at dusk when wasps are not active. For billbug control apply when activity is first observed or when chawed or brown grass is present, indicating damage from this insect.

Mushroom Flies - (Phoridae and Sciiridae)  
 Mix 1/4 to 1 gallon in 50 gallons of water and spray on outside and inside walls and ventilators of mushroom houses after compost has been pasteurized by heating. NOTE: Do not spray compost in beds or after spawning because illegal residues may result.

To treat wooden sides of beds, posts, doors, and door frames, after pasteurizing, mix 1/4 pint in 6 gallons of water and apply with a brush. NOTE: Do not apply this treatment after spawning. Do not treat compost.

Field Crows

Soil and foliar applications of 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.

Preharvest Interval (PHI\*) for foliar Applications

Crop	PHI(days)
Hops	14
Sugar Beets	7

\* 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	1 qt. per acre	Apply as pests occur. Repeat application, as necessary, every 14 days. Do not make more than 5 applications per season. Do not apply within 14 days of harvest.
	Wireworms	3-4 qts. per acre	Broadcast just before planting and incorporate into soil 4-6 inches. Do not apply more than 4 qt. of this product to the soil, per season. Tops may be fed to beef and dairy animals.
Sugar Beets	Wireworms	3-4 qts. per acre	Broadcast just before planting and incorporate into soil 4-6 inches. Do not apply more than 4 qt. of this product to the soil, per season. Tops may be fed to beef and dairy animals.
	Beet Leaf hoppers, Dicotyledonous Leafminers, Aphids	1/4 pt. per acre	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 7 days of harvest. Tops may be fed to beef and dairy animals. NOTE: Diazinon will not control or organophosphate-resistant leafminers.
Grass-hoppers	Grass-hoppers	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. Tops may be fed to beef and dairy animals.

Grassland Insects  
 Unless otherwise stated, Diazinon AG500 should always be applied as a spray in a minimum of 1 gallon of water per acre for aerial applications and minimum of 5 gallons of water per acre for ground applications.

Ditch Banks, Roadside, Wasteland, Noncrop Areas, Barrier Strips  
 Grasshoppers: Apply 1/4 pt. per acre in water or oil (minimum of 1 gallon oil per acre) when insects first appear, preferably in the nymphal stage. Thorough coverage of the foliage is essential. Do not spray or treat grass for forage or feed.

Insect Control on Ornamentals

To control certain insects on Arborvitae, Azalea, Birch, Boxwood, Camellia, Chrysanthemum, Douglas Fir, Elm, Gladiolus, Hawthorn, Hickory, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spirea, and Willow, apply the recommended rates indicated below. Treat the undersides of leaves and penetrate dense foliage.

Insects	Amt. of Diazinon Ag 500 in 1/2 gal.	Rate per 3 gallons of water	Rate per 100 gal. of water
Aphids, Bagworms, Carrion Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dicotyledonous Leafminers, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Oblique Root Weevil, Omnivorous Leafhopper, Privet Mites, Scale Crawlers (Cottony-cushion, Lecanium, Pine Needle, San Jose, Soft Scale), Thrips, Two-spotted Spider Mites, Webworms, Whiteflies	1/4 fl. oz.*	1 pt.*	
Apple-and-Thorn Skeletonizers, Cottoncaster Webworms, Fall Webworms, Herbivore Chermes, Oak Looper, Oblique-banded Leafroller, Pear Slugs, Tent Caterpillars	1 1/2 fl. ozs.*	2 pts.	

\* 1 fl. oz. = 2 tablespoons  
 \*\* 16 fl. oz. = 1 pint

Pests	Rate/1,000 sq. ft.		Remarks
	Diazinon Ag 500	Water	
Brown Dog Ticks, Chiggers, Fleas, Flies	3 fl. oz.	3 gals.	NOTE: Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
Millipede	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): Apply 3 fl. oz. per 1,000 sq. ft. of lawn. For grub control make application any time between late July and early October.

Hymenoptera (Wasp): Apply 3 fl. oz. per 1,000 sq. ft. of grass. Treat problem areas in mid-April and again in mid-May.

Nuisance Pests in Outside Areas: Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clovermites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipede, Sowbugs (pill bugs), Spiders, Springtails (Collembola)

Mix 3 fl. oz. in 3 gallons of water.

Thoroughly spray windows and door screens, eills, foundations, porch and patio walls, extracurways, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide.

To prevent entry into houses spray a few foot band of soil or around the house next to the foundation and spray the foundation of the house to a height of 2-3 ft. Repeat application as necessary.

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 cannot be disposed of by you 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, if allowed by state and local authorities, stay out of trouble from burning containers. For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372 or CHEMTREC 1-800-424-9300 Day or Night.

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 and waterfowl. Avoid overlapping of sprays. If waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product, however, stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and swamps. Do not apply directly to water or wetlands (swamps, bogs, marshes and peatlands). 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.

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

May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Causes substantial, but temporary eye damage. Do not get eyes, on skin, or on clothing. Wear goggles or safety glasses. Wash thoroughly after handling and before eating or smoking. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not use humans, pets or livestock. Do not contaminate ornamental fish ponds. Do not permit children or pets to go onto sprayed grass until spray has completely dried. For foliar application to agricultural crops whose culture involves hand labor, there is a 24-hour re-entry period (See Re-entry Statement). Food utensils such as measuring spoons should not be used for food purposes after use in measuring pesticides. Be sure to read and follow the "Warranty Rules" that appear in this booklet.

Statement of Practical Treatment  
 If swallowed, call a physician immediately. DO NOT INDUCE VOMITING UNLESS NO OTHER TREATMENT IS AVAILABLE. Vomiting may cause aspiration pneumonia. If necessary to induce vomiting, give victim one or two glasses water and insert finger in back of throat. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing. If inhaled, remove victim to fresh air and apply artificial respiration if indicated. If on skin, wash promptly with soap and water. Rinse thoroughly. If in eyes, rinse eyes with plenty of water and call a physician immediately.

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. The product contains a xylene range aromatic solvent which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.

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