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JAN 28 1997

Mr. Lee Tharrington
MICRO FLO Company
P.O. Box 5948
Lakeland, FL 33807

Dear Mr. Tharrington:

Subject: Amendment- Revise per Agency letter of November 22, 1996
Diazinon AG500
EPA Registration Number 51036-71
Your submission dated December 11, 1996

The amendment referred to above, submitted in connection with a registration under FIFRA section 3(c)(7)(a), is acceptable and a stamped copy of the label is enclosed for your records. The Agency recommends the following revisions when preparing the actual finished label:

- a) The blocked sections AGRICULTURAL USE REQUIREMENTS and NON-AGRICULTURAL USE REQUIREMENTS must be relocated to appear in the Directions For Use. Relocate these two blocked sections to appear after the newly added cranberry irrigation water statement (i.e., above the spill cleanup paragraph).
- b) In the Environmental Hazards, revise "if waterfowl, i.e., ducks or geese, can be" to "if waterfowl (ducks or geese) can be".
- c) In the Chemigation section, in the second sentence of the paragraph beginning "Crop injury..." revise "bout" to "about".
- d) In the directions for Apricots, revise the Pest name "San Jose Crawlers" to "San Jose Scale Crawlers".
- e) Throughout the Timing/Special Directions for Fruit and Nut Crops add a comma before "if necessary" wherever it appears.
- f) For the crop Cranberries, in the Timing/Special 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 "f", below).

- g) Also for the crop Cranberries, the directions for control of Cranberry Fruitworms must be separate from those for Cranberry Tipworms since the rate and directions vary. For Cranberry Fruitworms the rate should be 2-3 qts. and in the Timing/Special 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.". For Cranberry Tipworms the Rate should be 2 qts. and replace the text of the Timing/Special Directions with "Presence of damage is not an indication of active infestation. For best results, target early-stage larvae.". Both of these revised directions do not include the PHI sentence since it will appear in the Notes. Revise the NOTE: to 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."
- h) In the Timing/Special Directions for Aphids on Nectarines, revise the retreatment time to "after 14 days".
- i) For the crop Strawberries, add the following Notes (you may choose to delete the PHI information from each Timing/Special Directions since it will appear in the Notes):
- Notes: (1) Do not apply more than 1 qt. of product per acre 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) For the crop Walnuts, in the first sentence of the Timing/Special Directions delete "as needed".
- k) Throughout the Timing/Special Directions for Vegetable Crops with foliar application directions add "per season" after "up to 5 times" or "up to 3 times". Also, for consistency add a comma before and after "as necessary" and before "if necessary" wherever they appear.

- l) Throughout the Timing/Special Directions for Vegetable Crops with directions for control of Mole Crickets, you may shorten the entry to read "One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil."
- m) Throughout the Timing/Special Directions for Vegetable Crops with directions for control of Root Maggots, you may shorten the entry to read "One to two days before planting, broadcast and immediately incorporate into the top 3-4 inches of soil."

2

- o) For the crop Onions, in the Timing/Special Directions for control of Onion Maggots delete "(see Soil Incorporation Note)", since the depth of incorporation is already given in the specific directions
- p) For the crop Sweet Corn, in the second item of the NOTES after "...cutting for forage." add "Forage may be fed to beef and dairy cattle and sheep."
- q) In the Field Crops section, revise the footnote to read "Note: Sugar beet tops may be fed to beef and dairy animals."
- r) In the Precautions under the heading Lawn Pest Control, revise "if waterfowl, i.e., ducks or geese, can be" to "if waterfowl (ducks or geese) can be".
- s) Over the Lawn Pest Control table, after "... apply recommended rates." add "Repeat as necessary."
- t) In the Lawn Insect Control table, revise the Remarks for control of frit flies to read "For frit flies, before treatment mow grass and water well, but delay application until grass is dry."

The Agency understands that you will very soon be submitting three new product specific acute toxicity studies: acute oral, acute dermal, and eye irritation which may impact the signal word and precautionary text for this product and EPA Reg. No. 51036-64.

Sincerely,

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

4149

RESTRICTED USE PESTICIDE
DUE TO AVIAN AND AQUATIC TOXICITY
For retail sale to and use by Certified Operators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification.

DIAZINON AG 500
ORGANOPHOSPHATE

ACTIVE INGREDIENT: Diazinon [0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate].....48.0%
INERT INGREDIENTS*..... 52.0%
TOTAL.....100.0%

*Contains Xylene Range Aromatic Solvent
This product contains 4 pounds Diazinon Insecticide per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

STATEMENT OF PRACTICAL TREATMENT

This product is an 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. Apply artificial respiration if indicated. Get medical attention.

IF ON SKIN: Remove contaminated clothing and wash affected areas thoroughly with soap and water. Get medical attention.

IF IN EYES: Rinse eyes with plenty of water. Call a physician if irritation persists.

NOTE TO PHYSICIAN: 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 xylene range aromatic solvent which may present aspiration hazard. Gastric lavage may be indicated if product was taken internally.

See Additional Precautionary Statements Inside

EPA Reg. No. 51036-71

EPA Est. No. 51036-CA-1

ACCEPTED
with COMMENTS
in EPA Letter Dated

JAN 28 1997

Manufactured By
MICRO FLO COMPANY
P.O. BOX 5948
LAKELAND, FLORIDA 33807

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

51036-71

RECD: 1/17/97 17:32:21
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5149

PRECAUTIONARY STATEMENTS
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. May cause contact sensitization following repeated contact with skin. If sensitization reactions result, consult a physician. Avoid contamination of food or feed. Food utensils such as tablespoons and measuring cups must 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:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves, such as barrier laminate or Viton ≥ 14 mils
3. Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

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:

- 1. Coveralls
- 2. Chemical-resistant gloves, such as barrier laminate or Viton \geq 14 mils
- 3. Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of 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.

Keep children, pets, and other unprotected persons out of treated areas until sprays have dried.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If pesticide, spray mixture or rinsates cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER: Triple rinse (or equivalent). Then offer for recycling

or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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. On lawns, if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), apply a minimum of 1/4 inch of water immediately after applying this product. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment 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.

GENERAL INFORMATION

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.

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.

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

8/49

responsible for pesticide regulation. 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 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 day or night.

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

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.

Do not apply this product through any type of irrigation system to other crops. For chemigation, apply this product to cranberries only through sprinkler irrigation systems. Do not apply this product to cranberries through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect the irrigation system used for pesticide application to a public waste 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 waste 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 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 Diazinon AG500 to the chemigation system supply tank and dilute with water if needed. Proper agitation is needed if Diazinon AG 500 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

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

| Crop | Aerial Application Minimum Gals./Acre | Ground Application Minimum Gals./Acre | |
|----------|--|--|-------------|
| | | Dilute | Concentrate |
| Almonds* | 20 | 100 | 20 |
| Apricots | 20 | 100 | 20 |

| | | | |
|-----------------|----|-----|-----|
| Blackberries** | 20 | 100 | 20 |
| Boysenberries** | 20 | 100 | 20 |
| Cherries | 20 | 100 | 20 |
| Cranberries | 20 | 15 | - / |
| Dewberries** | 20 | 100 | 20 |
| Grapes | 20 | 100 | 20 |
| Loganberries** | 20 | 100 | 20 |
| Nectarines | 20 | 100 | 20 |
| Peaches | 20 | 100 | 20 |
| Plums | 20 | 100 | 20 |
| Prunes | 20 | 100 | 20 |
| Raspberries** | 20 | 100 | 20 |
| Strawberries | 20 | 100 | 20 |
| Walnuts* | 20 | 100 | 20 |

*CA only

**CA,OR, or WA only

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

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

12/99

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| Walnuts | 45 |
|---------|----|

*PHI = Pre-Harvest Interval or the number of days between the last application and harvest.
 ** = Dormant spray only
 Note: To protect bees, do not apply this product to fruit trees if substantial numbers of weeds in the orchard are in bloom.

| Crop | Pest | Rate | Timing/Special Directions |
|----------------------|--|---|--|
| Almonds (CA only) | San Jose Scale, Parlatoria Scale | 1-1 1/2 pts. + 2-3 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gals. of water | Apply as a dormant spray. Do not apply more than 6 lbs. of product or 9 gals. of oil per acre. |
| Apricots | Aphids, Brown Mites (Clover Mites), Two- Spotted Spider Mites, Olive Scale Crawlers, San Jose Crawlers | 1 pt. in 100 gals. of water | Apply as infestations occur. Repeat application after 14 days if necessary. |
| | Olive Scale Crawlers | 1/2 pt. + 1 1/2 gals. of light medium horticultural oil in 100 gals. of water | Apply when scale crawlers are present. |
| | Apricot Mealybugs | 1 pt. in 100 gals. of water | Apply as a cover spray from petal fall to June. Allow 14 days between applications. |

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

| Crop | Pest | Rate | Timing/Special Directions |
|--|--|------------------------------|---|
| <p>Caneberries (CA, OR and WA only) (Blackberries Boysenberries Dewberries, Loganberries, Raspberries)</p> | <p>Leafhoppers, Thrips, Aphids, Two-Spotted Spider Mites, Raspberry Fruitworms</p> | <p>1 qt. per acre</p> | <p>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.</p> <p>Apply in a minimum of 100 gals. of water per acre (200 gals. per acre maximum)</p> <p>For raspberry fruitworm make one application when blossom buds separate. Make a second application immediately before blossoms open.</p> |
| | <p>Dryberry Mites</p> | <p>1-2 qts. per acre</p> | <p>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.</p> |
| | <p>Raspberry Crown Borers (Raspberry Root Borers)</p> | <p>2 qts. per acre</p> | <p>Apply in single application in a minimum of 100 gals. of water per acre as a drench to the crown and lower canes in the Spring before buds break.</p> |

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| Cherries | Eyespotted Bud Moths, Fruit Tree Leafrollers | 1 pt. in 100 gals. of water | Apply in cover sprays as infestations occur beginning at petal fall. Repeat application after 7 days if necessary. |
| | Leafhoppers | 1 pt. in 100 gals. of water | Make 3-4 applications beginning at petal fall and continuing through the growing season as infestations occur. Allow 7 days between applications. |
| | Cherry Fruitflies | 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 as a single supplemental spray to trees after harvest. |

Notes: (1) Do not make more than 3 applications per season. (2) Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season. (3) Allow a minimum of 21 days between the last application and harvest.

15/49

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| Cranberries | Blackheaded Fireworms | 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. Do not apply within 7 days of harvest or illegal residues may occur. |
| | Cranberry Fruitworms, Cranberry Tipworms | 3 qts. in a minimum of 15 gals. of water per acre for ground application and up to 400 gals. of water per acre for chemigation | 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. |

Notes: (1) This product may be applied to cranberries through sprinkler irrigation. Refer to the section Chemigation for specific chemigation directions for use.

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| Grapes | Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leafrollers, Aphids, Spider Mites, Omnivorous Leafrollers | 1-2 pts. per acre in a minimum of 100 gals. of water (200 gals. of water maximum) | Apply as pests occur as a thorough cover spray when pest appears. Repeat application after 7 days if necessary. |
| | Drosophila spp. | 6 fl. oz. per acre in a minimum of 100 gals. of water (300 gals. of water maximum) | Apply as a through cover spray. Repeat after 7 days if necessary. |

Notes: (1) Do not apply more than 2 pts. of product per acre per application and no more than 10 pts. of product per acre per season. (2) To avoid illegal residues, allow a minimum of 28 days between the last application and harvest. NOTE: THE CALIFORNIA DEPARTMENT OF AGRICULTURE HAS SET A 5-DAY RE-ENTRY TO DIAZINON INSECTICIDE ON GRAPES. FIVE DAYS SHOULD LAPSE 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 organic pesticides are applied in combination, the interval shall be prolonged by adding to the longest applicable interval an additional 50% of that interval.

16749

| Crop | Pest | Rate | Timing/Special Directions |
|------------|--|-----------------------------|--|
| Nectarines | 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 7 days if necessary. |
| | Oriental Fruitmoths | 1 pt. in 100 gals. of water | Apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult flight. |

Notes: (1) Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season. (2) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest. NOTE: THE CALIFORNIA DEPARTMENT OF AGRICULTURE HAS SET A 5-DAY RE-ENTRY TO DIAZINON INSECTICIDE ON NECTARINES. FIVE DAYS SHOULD LAPSE 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 organic pesticides are applied in combination, the interval shall be prolonged by adding to the longest applicable interval an additional 50% of that interval.

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| Peaches | Aphids, Brown Mites (Clover Mites), Two-spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers | 1 pt. in 100 gals. of water | Apply as infestations occur. Repeat application after 14 days if necessary. |
| | Oriental Fruit Moths | 1 pt. in 100 gals. of water | Apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult flight. |
| | Peach Twig Borers | 1 pt. in 100 gals. of water | Apply as insects occur in May and June. Allow 7 days between applications. |

17849

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| Peaches (continued) | Leafhoppers | 1 pt. in 100 gals. of water. | Make 3-4 applications beginning at petal fall and continuing through the growing season. Allow at least 7 days between applications. |
| | White Peach Scale | 1 1/2 - 2 pts. in 100 gals. of water | Apply post harvest timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestation 2 applications (7 days apart) may be needed. Do not apply before fruit is harvested. |

Notes: (1) Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season. (2) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest. NOTE: THE CALIFORNIA DEPARTMENT OF AGRICULTURE HAS SET A 5-DAY RE-ENTRY TO DIAZINON INSECTICIDE ON PEACHES. FIVE DAYS SHOULD LAPSE 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 organic pesticides are applied in combination, the interval shall be prolonged by adding to the longest applicable interval an additional 50% of that interval.

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| 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 | 1/2-1 pt. in 100 gals. of water | |

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

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|--------|---|---------------------------------|-------------------------------|
| Prunes | Brown Mites, Clover Mites, European Red Mites | 1 pt. in 100 gals. of water | Apply as needed every 7 days. |
| | Leafcurl Plum Aphids, Mealy Plum Aphids, Thistle Aphids | 1/2-1 pt. in 100 gals. of water | |

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

18/49

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| 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 | 1 qt. per acre | Broadcast in sufficient water to obtain even coverage when insects are present. Apply 1-2 days before transplanting and immediately incorporate into the top 1-2 inches of soil. |
| | Strawberry Leafrollers | 3/4-1 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. |

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| Walnuts (CA only) | Aphids, Spider Mites | 1 qt. per acre | Apply as a foliar spray as needed. Repeat application in 14 days if necessary. Do not make more than 3 applications per season. Do not apply with 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. |
| | Codling Moths, Scale Crawlers, Walnut Caterpillars | 3 qts. per acre | |

Vegetable Crops
REI - 24 hours

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 or by ground application as specified in the following table. The specific amount of product to be used appears under the separate directions for use for each crop.

| Crop | Ground Application | | Aerial Application |
|---|--------------------|-----------------------------|--------------------|
| | Minimum Gals./Acre | Minimum Gals. 1,000 sq. Ft. | |
| Beans (Lima, Pole, and Snap) (succulent only) | 10 | 2 | 5 |
| Beets, Red (Table) | 10 | 2 | 5 |
| Broccoli | 10 | 2 | 5 |
| Brussels Sprouts | 10 | 2 | 5 |
| Cabbage | 10 | 2 | 5 |
| Cantaloupes | 5 | 1 | 5 |
| Carrots | 10 | 2 | 5 |
| Casabas | 5 | 1 | 5 |
| Cauliflower | 10 | 2 | 5 |

20/6/49

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| Chinese Broccoli | 10 | 2 | 5 |
| Chinese Cabbage | 10 | 2 | 5 |
| Chinese Mustard | 10 | 2 | 5 |
| Collards | 10 | 2 | 5 |
| Crenshaws | 5 | 1 | 5 |
| Cucumbers | 5 | 1 | 5 |
| Endive (Escarole) | 10 | 2 | 5 |
| Honeydew Melons | 5 | 1 | 5 |
| Kale | 10 | 2 | 5 |
| Lettuce (Head and Leaf) | 10 | 2 | 5 |
| Muskmelons | 5 | 1 | 5 |
| Mustard | 10 | 2 | 5 |
| Onions (Bulb and Green) | 10 | 2 | 5 |
| Parsley | 10 | 2 | 5 |
| Parsnips | 10 | 2 | 5 |
| Peas (succulent only) | 10 | 2 | 5 |
| Peppers | 10 | 2 | 5 |
| Persian Melons | 5 | 1 | 5 |
| Potatoes (Irish)* | 10 | 2 | 5 |
| Radishes | 10 | 2 | 5 |
| Spinach | 10 | 2 | 5 |
| Squash, Summer | 5 | 1 | 5 |
| Squash, Winter | 5 | 1 | 5 |
| Sweet Corn | 20 | 4 | 5 |
| Sweet Potatoes | 10 | 2 | 5 |
| Swiss Chard | 10 | 2 | 5 |
| Tomatoes | 10 | 2 | 5 |
| Turnips | 10 | 2 | 5 |
| Watermelons | 5 | 1 | 5 |

*Do not use on commercially grown potatoes which will be hand-harvested. Observe stated time intervals between last application and harvest as well as intervals between and maximum numbers of applications per season.

Pre-Harvest Intervals (PHI*) for Foliar Applications

| Crop | PHI* (Days) |
|------------------------------|-------------|
| Beans (Lima, Pole, and Snap) | 7 |

21949

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| Beets, Red (Table) | 14 |
| Broccoli | 7 |
| Brussels Sprouts | 7 |
| Cabbage | 21 |
| Cantaloupes | 3 |
| Carrots | 14 |
| Casabas | 3 |
| Cauliflower | 7 |
| Chinese Broccoli | 10 |
| Chinese Cabbage | 10 |
| Chinese Radish | 10 |
| Chinese Mustard | 10 |
| Collards | 10 |
| Crenshaws | 3 |
| Cucumbers | 7 |
| Ginseng | 30 |
| Endive (Escarole) | 14 |
| Honeydew Melons | 3 |
| Kale | 10 |
| Lettuce (Head and Leaf) | 14 |
| Muskmelons | 3 |
| Mustard | 10 |
| Onions (Bulb and Green) | 14 |
| Parsnips | 14 |
| Peas | 7 |
| Peppers | 5 |
| Persian Melons | 3 |
| Potatoes (Irish) | 35 |
| Radishes | 14 |
| Spinach | 14 |
| Squash, Summer | 7 |
| Squash, Winter | 3 |
| Sweet Corn | 7 |
| Swiss Chard | 14 |

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| 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 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. |

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| <p>Beans (continued)</p> | <p>Cucumber Beetles</p> | <p>3/4 pt. per acre</p> | <p>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.</p> <p>Make cucumber beetle application in 100 gals. of water per acre.</p> <p>Note: (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.</p> |
| <p>Beans, Lima (succulent only)</p> | <p>Leafhoppers, Spider Mites</p> | <p>1 pt. per acre</p> | <p>Apply as pests occur. Repeat application, as necessary, every 5 days. Do not make more than 3 applications per season.</p> <p>Do not apply within 7 days of harvest or illegal residues may occur.</p> <p>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.</p> <p>Note: To protect bees, do not apply foliary if the crop or weeds in the treatment area are in bloom.</p> |
| <p>Beets, Red (Table)</p> | <p>Cutworms</p> | <p>2-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the soil... (See Soil Incorporation Note.)</p> |

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| Beets, Red (Table) (continued) | 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 up to 5 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest, or illegal residues may occur. Do not apply within 14 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |
| 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. |

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| <p>Broccoli (continued)</p> | <p>4-8 oz. in 50 gals. of water</p> | <p>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 sprayer equipped with drop nozzles to direct spray to the base of the plant.</p> <p>Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting.</p> |
| | <p>Cutworms</p> | <p>2-4 qts. per acre</p> <p>Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note)</p> |
| | <p>Mole Crickets</p> | <p>1 qt. per acre</p> <p>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.</p> |
| | <p>Wireworms</p> | <p>3-4 qts. per acre</p> <p>Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.</p> |
| | <p>Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers</p> | <p>1/2-1 pt. per acre</p> <p>Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications.</p> <p>Do not apply within 7 days of harvest, or illegal residues may occur.</p> <p>Note: Diazinon will not control organophosphate-resistant leafminers.</p> |

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| 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 gal. water | 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 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 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. |

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| <p>Brussels Sprouts (continued)</p> | <p>Aphids, Diamondback Moths, Imported Cabbageworms</p> | <p>1/2-1 pt. per acre</p> | <p>Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications.</p> <p>Do not apply within 7 days of harvest, or illegal residues may occur.</p> |
| <p>Cabbage</p> | <p>Root Maggots</p> | <p>2-3 qts. per acre</p> | <p>Apply to plant beds or fields just before sowing of seed or transplanting and immediately incorporate into the top 3-4 inches of soil.</p> |
| | | <p>4-8 oz. in 50 gal. water</p> | <p>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 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.</p> |
| | <p>Cutworms</p> | <p>2-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)</p> |
| | <p>Mole Crickets</p> | <p>1 qt. per acre</p> | <p>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.</p> |

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| Cabbage (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, 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 | 2-3 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 | 1 qt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest, or illegal residues may occur. |

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| Cauliflower | Root Maggots | 3-4 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 gal. water | 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 sprayer equipped with drop nozzles to direct spray to the base of the plant. Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting. |
| | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note) |
| | Mole Crickets | 1 qt. per acre | 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. |

30/49

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| <p>Cauliflower (continued)</p> | <p>Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers</p> | <p>1/2-1 pt. per acre</p> | <p>Apply as insects occur. Repeat application, as necessary, up to 5 times per season, with a minimum of 7 days between applications. Do not apply within 5 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers.</p> |
| <p>Chinese Broccoli</p> | <p>Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers</p> | <p>1/2-1 pt. per acre</p> | <p>Apply as insects occur. Repeat application, as necessary, up to 5 times per season, with minimum of 7 days between applications.</p> <p>Do not apply within 10 days of harvest or illegal residues may occur.</p> <p>Note: Diazinon will not control organophosphate-resistant leafminers.</p> |
| <p>Chinese Cabbage (Bok Choy and Napa).</p> | <p>Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers</p> | <p>1/2-1 pt. per acre</p> | <p>Apply as insects occur. Repeat application, as necessary, up to 5 times per season, with minimum of 7 days between applications.</p> <p>Do not apply within 10 days of harvest or illegal residues may occur.</p> <p>Note: Diazinon will not control organophosphate-resistant leafminers.</p> |

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| <p>Chinese Mustard (Gai Choy)</p> | <p>Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers</p> | <p>1/2-1 pt. per acre</p> | <p>Apply as insects occur. Repeat application, as necessary, up to 5 times per season, with minimum of 7 days between applications.</p> <p>Do not apply within 10 days of harvest or illegal residues may occur.</p> <p>Note: Diazinon will not control organophosphate-resistant leafminers.</p> |
| <p>Chinese Radish (Japanese Radish or Daicon) (FL and CA only)</p> | <p>Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers</p> | <p>1 pt. per acre</p> | <p>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.</p> <p>Do not apply within 10 days of harvest or illegal residues may occur.</p> <p>Note: Diazinon will not control organophosphate resistant leafminers.</p> |
| <p>Collards</p> | <p>Cutworms</p> | <p>2-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note)</p> |
| | <p>Mole Crickets</p> | <p>1 qt. per acre</p> | <p>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.</p> |
| | <p>Wireworms</p> | <p>3-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.</p> |

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| Collards (continued) | Aphids, Diamondback Moths, Imported Cabbageworms, Harlequin bugs, 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 Leafminers, Thrips, Striped Cucumber Beetles, Melonworms | 1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 7 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 (Escarole) | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note) |
| | Mole Crickets | 1 qt. per acre | 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. |

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| Endive (Escarole) (continued) | 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 leafminers. |
| Ginseng | Leafhoppers, Aphids, Lygus Bugs, Flea Beetles, Jumping Plant Lice | 3/4-1 pt. per acre | Spray when insects first appear. For heavy insect infestations, use 1 pt. per acre. Apply by ground equipment using 10 to 100 gals. of water per acre. Do not apply more than one application per growing season. Do not apply during flowering of three or four year old crops. Do not apply within 30 days of harvest. Do not graze treated areas or feed treated forage to livestock. |
| Kale | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note). |
| | Mole Crickets | 1 qt. per acre | 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. |

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| Kale (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, Harlequin bugs, 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 3-4 inches of soil. |
| | Aphids, Dipterous Leafminers | 1/2-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate resistant leafminers. |

35 of 49

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| Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians, and Hybrids of these) and Watermelons | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note) |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Dipterous Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, Spider Mites | 1/2-1 1/2 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 leafminers. |
| Mustard... | Mole Crickets | 1 pt. 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. |
| | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note) |

36149

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| <p>Mustard (continued)</p> | <p>Aphids, Dipterous Leafminers, Diamondback Moths, Imported Cabbageworms</p> | <p>1/2-1 pt. per acre</p> | <p>Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications.</p> <p>Do not apply within 10 days of harvest.</p> <p>Note: Diazinon will not control organophosphate resistant leafminers.</p> |
| <p>Onions (Bulb and Green)</p> | <p>Onion maggots</p> | <p>2-4 qts. per acre</p> | <p>Broadcast just before planting and mix into the top 3-4 inches of soil. (See Soil Incorporation Note)</p> <p>Note: Diazinon will not control organophosphate resistant onion maggots.</p> |
| | <p>Onion Thrips</p> | <p>1 pt. per acre</p> | <p>Apply as thrips appear. Repeat after 7 days, if necessary. Do not make more than 3 applications per season.</p> <p>Do not apply within 14 days of harvest or illegal residues may occur.</p> |
| | <p>Wireworms</p> | <p>3-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.</p> |
| <p>Parsley</p> | <p>Cutworms</p> | <p>2-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note)</p> |
| | <p>Wireworms</p> | <p>3-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.</p> |

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| <p>Parsnips</p> | <p>Aphids, Flea Beetles, Dipterous Leafminers</p> | <p>1/2-1 pt. per acre</p> | <p>Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications.</p> <p>Do not apply within 14 days of harvest or illegal residues may occur.</p> <p>Note: Diazinon will not control organophosphate resistant leafminers.</p> |
| <p>Peas (succulent only)</p> | <p>Cutworms</p> | <p>2-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note)</p> |
| | <p>Wireworms</p> | <p>3-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note)</p> |
| | <p>Aphids, Dipterous Leafminers</p> | <p>3/4-1 pt. per acre</p> | <p>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.</p> <p>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.</p> <p>Note: Diazinon will not control organophosphate resistant leafminers.</p> |

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| Peppers | Cutworms | 2-4 pts. 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, Serpentine Leafminers | 1/2-1 pt. per acre | Apply as insects occur. Repeat application after 7 days if necessary. 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 leafminers. |
| Potatoes | Cutworms (Surface and Subterranean) | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note) |
| | Southern Potato Wireworms (Southeastern U.S.) | 2-4 qts. per acre | For potatoes grown on mineral soils in the Southeast, apply prior to planting and immediately incorporate into the top 3-6 inches of soil depending on location of wireworms. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |

39149

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| Potatoes (Continued) | Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leafminers | 1/2-3/4 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times with a minimum of 7 days between applications. Do not apply within 35 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate resistant leafminers. |
| | Banded Cucumber Beetles, Leafhoppers, Southern Armyworms | 3/4-1 pt. per acre | Apply as insects occur. Repeat application as necessary up to 5 times with a minimum of 7 days between applications. Do not apply within 35 days of harvest or illegal residues may occur. |

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

| Crop | Pest | Rate | Timing/Special Directions |
|----------|---------------|-------------------|---|
| Radishes | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note) |
| | Mole Crickets | 1 qt. per acre | Apply to plant beds or fields, 1-2 days before sowing of seed or transplanting and immediately incorporate in 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. |

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| <p>Radishes (continued)</p> | <p>Aphids, Flea Beetles, Dipterous Leafminers</p> | <p>1/2-1 pt. per acre</p> | <p>Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.</p> <p>Do not apply within 14 days of harvest or illegal residues may occur.</p> <p>Note: Diazinon will not control organophosphate resistant leafminers.</p> |
| <p>Spinach</p> | <p>Cutworms</p> | <p>2-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note)</p> |
| | <p>Wireworms</p> | <p>3-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.</p> |
| | <p>Aphids, Dipterous Leafminers</p> | <p>1/2-1 pt. per acre</p> | <p>Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.</p> <p>Do not apply within 14 days of harvest or illegal residues may occur.</p> <p>Note: Diazinon will not control organophosphate resistant leafminers.</p> |
| <p>Squash, Summer</p> | <p>Cutworms</p> | <p>2-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note)</p> |

41849

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| Squash, Summer (continued) | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, Spider Mites | 1/2-1 1/2 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 7 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate resistant leafminers. |
| 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, Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, Spider Mites | 1/2-1 1/2 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 leafminers. |
| Sweet Corn | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note) |

42649

Sweet Corn
(continued)

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| Seed Corn Maggots | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 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 1/4 qts. per acre | Apply when silks first appear. Repeat application every 7 days up to a maximum of 5 applications, if necessary. |
| 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 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 in 7 days if necessary. Do not make more than 5 applications per season. |
| Grasshoppers, Spider Mites, Flea Beetles | 1 pt. per acre | Apply as insects occur. Repeat if necessary, but do not make more than 5 applications per season. |
| Sap Beetles | 2-2 1/2 pts. per acre | Consult local agricultural authorities for proper timing of application. Repeat application in 7 days, if necessary. Do not make more than 5 applications per season. |

Notes: (1) To protect bees, do not apply foliarly to corn during the pollen shed period. (2) Allow a minimum of 7 days between the last application and grazing or cutting for forage. (3) Corn may be picked 7 days after the last application.

43/49

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| 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 | 1/2-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may occur. |
| Tomatoes | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note) |
| | Mole Crickets | 1 qt. per acre | 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. |

44649

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| Tomatoes (continued) | Aphids, Dipterous Leafminers | 1/2 pt. per acre. | Apply as insects occur. Repeat application after 7 days, as necessary. 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 organophosphate resistant leafminers. |
| | Vinegar Flies (Drosophila spp) | 1/2-1 1/2 pts. per acre | |
| | Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms, Beet Armyworms | 3/4-1 pt. per acre | |
| Turnips (Roots and Tops) | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note) |
| | Mole Crickets | 1 qt. per acre | 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. |

45/49

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|------------------------|---|-----------------------|---|
| Turnips (continued) | Aphids, Flea Beetles, Dipterous Leafminers | 1/2-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate resistant leafminers. |
|------------------------|---|-----------------------|---|

Field Crops
REI - 24 hours

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

Pre-Harvest Intervals (PHI*) For Foliar Applications

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

*PHI = Pre-Harvest Interval or the number of days 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 applications, if necessary in 14 days. Do not make more than 4 applications per season or apply within 14 days of harvest or illegal residues may occur. |

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|-------------|--|--------------------|---|
| Sugar Beets | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-6 inches of soil. Do not apply more than 4 qts. of this product to the soil per season. |
| | Beet Leafhoppers, Dipterous Leafminers, Aphids | 3/4-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times per season with a minimum of 7 days between applications. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate resistant leafminers. |
| | Grasshoppers | 1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times per season with a minimum of 7 days between applications. Do not apply within 14 days of harvest. |

Note: Tops may be fed to beef and dairy animals.

Grassland Insects

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

Grasshoppers: Spray 3/4-1 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 food or feed.

47749

Insect Control on Ornamentals
REI - 12 hours

To control certain insects on ornamentals, such as Arborvitae, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Douglas Fir, Elm, Gladioli, Hawthorn, Holly, Juniper, Lilas, 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.

| Insects | Amount of Diazinon AG-500 | |
|--|---------------------------|--------------------------|
| | Rate per 3 gals water | Rate per 100 gals. water |
| Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dipterous Leafminers, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leaf-tiers, Privet Mites, Scale Crawlers (Cottonycushion, Lecanium, Pine Needle, San Jose, Soft), Thrips, Two-Spotted Spider Mites, Juniper Webworms, Whiteflies | 1/2 oz.* | 1 pt.** |
| Apple-and-Thorn Skeletonizers, Cottoneaster Webworms, Fall Webworms, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars | 1 1/2 oz.* | 3 pts.** |

* 1 Fl. oz. = 2 tablespoons

** 16 Fl. oz. = pint

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

Mimosa Webworms: Mix 1/2 fl. oz. in 3 gals. of water (or 1 pt. in 100 gals. of water) and apply as a thorough spray when adults first appear. Make a second and third application at 4-5 week intervals.

Lawn Pest Control (Excluding Sod Farms and Golf Courses)

Precautions: Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds, especially waterfowl. Avoid overlapping sprays. If waterfowl, i.e., ducks or geese, can be expected to enter treated area after treatment (except spot treatments), water lawn with at least 1/4 inch of water immediately after application, however, stop irrigation before puddling occurs.

48/49

To control pests listed below, apply recommended rates.

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

49749

house to a height of 2-3 feet. Repeat application as necessary.
NOTE: Do not apply to animals. Do not apply to plants (except tree trunks) at this nuisance pest rate.

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 of 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 MICRO FLO or the Seller. All such risks shall be assumed by the Buyer.

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

PM 13 51036-71 PS 1249
517218

JAN 28 1997

Mr. Lee Tharrington
MICRO FLO Company
P.O. Box 5948
Lakeland, FL 33807

Dear Mr. Tharrington: *

Subject: Amendment- Revise per Agency letter of November 22, 1996
Diazinon AG500
EPA Registration Number 51036-71
Your submission dated December 11, 1996

The amendment referred to above, submitted in connection with a registration under FIFRA section 3(c)(7)(a), is acceptable and a stamped copy of the label is enclosed for your records. The Agency recommends the following revisions when preparing the actual finished label:

- a) The blocked sections AGRICULTURAL USE REQUIREMENTS and NON-AGRICULTURAL USE REQUIREMENTS must be relocated to appear in the Directions For Use. Relocate these two blocked sections to appear after the newly added cranberry irrigation water statement (i.e., above the spill cleanup paragraph).
- b) In the Environmental Hazards, revise "if waterfowl, i.e., ducks or geese, can be" to "if waterfowl (ducks or geese) can be".
- c) In the Chemigation section, in the second sentence of the paragraph beginning "Crop injury..." revise "bout" to "about".
- d) In the directions for Apricots, revise the Pest name "San Jose Crawlers" to "San Jose Scale Crawlers".
- e) Throughout the Timing/Special Directions for Fruit and Nut Crops add a comma before "if necessary" wherever it appears.
- f) For the crop Cranberries, in the Timing/Special 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 "f", below).

g) Also for the crop Cranberries, the directions for control of Cranberry Fruitworms must be separate from those for Cranberry Tipworms since the rate and directions vary. For Cranberry Fruitworms the rate should be 2-3 qts. and in the Timing/Special 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.". For Cranberry Tipworms the Rate should be 2 qts. and replace the text of the Timing/Special Directions with "Presence of damage is not an indication of active infestation. For best results, target early-stage larvae.". Both of these revised directions do not include the PHI sentence since it will appear in the Notes. Revise the NOTE: to 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."

h) In the Timing/Special Directions for Aphids on Nectarines, revise the retreatment time to "after 14 days".

i) For the crop Strawberries, add the following Notes (you may choose to delete the PHI information from each Timing/Special Directions since it will appear in the Notes):

Notes: (1) Do not apply more than 1 qt. of product per acre 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) For the crop Walnuts, in the first sentence of the Timing/Special Directions delete "as needed".

k) Throughout the Timing/Special Directions for Vegetable Crops with foliar application directions add "per season" after "up to 5 times" or "up to 3 times". Also, for consistency add a comma before and after "as necessary" and before "if necessary" wherever they appear.

- l) Throughout the Timing/Special Directions for Vegetable Crops with directions for control of Mole Crickets, you may shorten the entry to read "One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil."
- m) Throughout the Timing/Special Directions for Vegetable Crops with directions for control of Root Maggots, you may shorten the entry to read "One to two days before planting, broadcast and immediately incorporate into the top 3-4 inches of soil."

2

- o) For the crop Onions, in the Timing/Special Directions for control of Onion Maggots delete "(see Soil Incorporation Note)", since the depth of incorporation is already given in the specific directions
- p) For the crop Sweet Corn, in the second item of the NOTES after "...cutting for forage." add "Forage may be fed to beef and dairy cattle and sheep."
- q) In the Field Crops section, revise the footnote to read "Note: Sugar beet tops may be fed to beef and dairy animals."
- r) In the Precautions under the heading Lawn Pest Control, revise "if waterfowl, i.e., ducks or geese, can be" to "if waterfowl (ducks or geese) can be".
- s) Over the Lawn Pest Control table, after "... apply recommended rates." add "Repeat as necessary."
- t) In the Lawn Insect Control table, revise the Remarks for control of frit flies to read "For frit flies, before treatment mow grass and water well, but delay application until grass is dry."

The Agency understands that you will very soon be submitting three new product specific acute toxicity studies: acute oral, acute dermal, and eye irritation which may impact the signal word and precautionary text for this product and EPA Reg. No. 51036-64.

Sincerely,

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

4/49

RESTRICTED USE PESTICIDE
DUE TO AVIAN AND AQUATIC TOXICITY

For retail sale to and use by Certified Operators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification.

DIAZINON AG 500
ORGANOPHOSPHATE

ACTIVE INGREDIENT: Diazinon [0,0-diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate].....48.0%
INERT INGREDIENTS*:..... 52.0%
TOTAL.....100.0%

*Contains Xylene Range Aromatic Solvent
 This product contains 4 pounds Diazinon Insecticide per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

STATEMENT OF PRACTICAL TREATMENT

This product is an 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. Apply artificial respiration if indicated. Get medical attention.

IF ON SKIN: Remove contaminated clothing and wash affected areas thoroughly with soap and water. Get medical attention.

IF IN EYES: Rinse eyes with plenty of water. Call a physician if irritation persists.

NOTE TO PHYSICIAN: 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 xylene range aromatic solvent which may present aspiration hazard. Gastric lavage may be indicated if product was taken internally.

See Additional Precautionary Statements Inside

EPA Reg. No. 51036-71

EPA Est. No. 51036 GA-1

REC'D 1/17/93 21
 P/DPD1

ACCEPTED
 with COMMENTS
 in EPA Letter Dated

JAN 28 1997

Manufactured By
MICRO FLO COMPANY
 P.O. BOX 5948
 LAKELAND, FLORIDA 33807

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act
 as amended, for the pesticide
 registered under EPA Reg. No.
51036-71

PRECAUTIONARY STATEMENTS
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. May cause contact sensitization following repeated contact with skin. If sensitization reactions result, consult a physician. Avoid contamination of food or feed. Food utensils such as tablespoons and measuring cups must 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:

- 1. Long-sleeved shirt and long pants
- 2. Chemical-resistant gloves, such as barrier laminate or Viton ≥ 14 mils
- 3. Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- 1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- 2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 3. 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.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

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:

- 1. Coveralls
- 2. Chemical-resistant gloves, such as barrier laminate or Viton >14 mils
- 3. Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of 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.

Keep children, pets, and other unprotected persons out of treated areas until sprays have dried.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If pesticide, spray mixture or rinsates cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER: Triple rinse (or equivalent). Then offer for recycling

or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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. On lawns, if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), apply a minimum of 1/4 inch of water immediately after applying this product. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment 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.

GENERAL INFORMATION

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.

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.

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 regulation. 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 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 day or night.

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

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.

Do not apply this product through any type of irrigation system to other crops. For chemigation, apply this product to cranberries only through sprinkler irrigation systems. Do not apply this product to cranberries through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect the irrigation system used for pesticide application to a public waste 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 waste 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 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 Diazinon AG500 to the chemigation system supply tank and dilute with water if needed. Proper agitation is needed if Diazinon AG 500 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

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

| Crop | Aerial Application Minimum Gals./Acre | Ground Minimum Application Gals./Acre | |
|----------|---------------------------------------|---------------------------------------|-------------|
| | | Dilute | Concentrate |
| Almonds* | 20 | 100 | 20 |
| Apricots | 20 | 100 | 20 |

| | | | |
|-----------------|----|-----|----|
| Blackberries** | 20 | 100 | 20 |
| Boysenberries** | 20 | 100 | 20 |
| Cherries | 20 | 100 | 20 |
| Cranberries | 20 | 15 | - |
| Dewberries** | 20 | 100 | 20 |
| Grapes | 20 | 100 | 20 |
| Loganberries** | 20 | 100 | 20 |
| Nectarines | 20 | 100 | 20 |
| Peaches | 20 | 100 | 20 |
| Plums | 20 | 100 | 20 |
| Prunes | 20 | 100 | 20 |
| Raspberries** | 20 | 100 | 20 |
| Strawberries | 20 | 100 | 20 |
| Walnuts* | 20 | 100 | 20 |

*CA only

**CA,OR, or WA only

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

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

| | |
|---------|----|
| Walnuts | 45 |
|---------|----|

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

** = Dormant spray only

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

| Crop | Pest | Rate | Timing/Special Directions |
|----------------------|--|---|--|
| Almonds (CA only) | San Jose Scale, Parlatoria Scale | 1-1 1/2 pts. + 2-3 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gals. of water | Apply as a dormant spray. Do not apply more than 6 lbs. of product or 9 gals. of oil per acre. |
| Apricots | Aphids, Brown Mites (Clover Mites), Two- Spotted Spider Mites, Olive Scale Crawlers, San Jose Crawlers | 1 pt. in 100 gals. of water | Apply as infestations occur. Repeat application after 14 days if necessary. |
| | Olive Scale Crawlers | 1/2 pt. + 1 1/2 gals. of light medium horticultural oil in 100 gals. of water | Apply when scale crawlers are present. |
| | Apricot Mealybugs | 1 pt. in 100 gals. of water | Apply as a cover spray from petal fall to June. Allow 14 days between applications. |

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

| Crop | Pest | Rate | Timing/Special Directions |
|---|--|----------------------|--|
| Caneberries (CA, OR and WA only) (Blackberries Boysenberries Dewberries, Loganberries, Raspberries) | Leafhoppers, Thrips, Aphids, Two-Spotted Spider Mites, Raspberry Fruitworms | 1 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 fruitworm 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. |
| | Raspberry Crown Borers (Raspberry Root Borers) | 2 qts. per acre | Apply in single application in a minimum of 100 gals. of water per acre as a drench to the crown and lower canes in the Spring before buds break. |

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|----------|---|---------------------------------------|--|
| Cherries | Eyespotted Bud Moths, Fruit Tree Leafrollers | 1 pt. in 100 gals. of water | Apply in cover sprays as infestations occur beginning at petal fall. Repeat application after 7 days if necessary. |
| | Leafhoppers | 1 pt. in 100 gals. of water | Make 3-4 applications beginning at petal fall and continuing through the growing season as infestations occur. Allow 7 days between applications. |
| | Cherry Fruitflies | 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 as a single supplemental spray to trees after harvest. |

Notes: (1) Do not make more than 3 applications per season. (2) Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season. (3) Allow a minimum of 21 days between the last application and harvest.

| | | | |
|-------------|--|--|---|
| Cranberries | Blackheaded Fireworms | 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. Do not apply within 7 days of harvest or illegal residues may occur. |
| | Cranberry Fruitworms, Cranberry Tipworms | 3 qts. in a minimum of 15 gals. of water per acre for ground application and up to 400 gals. of water per acre for chemigation | 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. |

Notes: (1) This product may be applied to cranberries through sprinkler irrigation. Refer to the section Chemigation for specific chemigation directions for use.

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| Grapes | Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leafrollers, Aphids, Spider Mites, Omnivorous Leafrollers | 1-2 pts. per acre in a minimum of 100 gals. of water (200 gals. of water maximum) | Apply as pests occur as a thorough cover spray when pest appears. Repeat application after 7 days if necessary. |
| | Drosophila spp. | 6 fl. oz. per acre in a minimum of 100 gals. of water (300 gals. of water maximum) | Apply as a through cover spray. Repeat after 7 days if necessary. |

Notes: (1) Do not apply more than 2 pts. of product per acre per application and no more than 10 pts. of product per acre per season. (2) To avoid illegal residues, allow a minimum of 28 days between the last application and harvest. NOTE: THE CALIFORNIA DEPARTMENT OF AGRICULTURE HAS SET A 5-DAY RE-ENTRY TO DIAZINON INSECTICIDE ON GRAPES. FIVE DAYS SHOULD LAPSE 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 organic pesticides are applied in combination, the interval shall be prolonged by adding to the longest applicable interval an additional 50% of that interval.

| Crop | Pest | Rate | Timing/Special Directions |
|------------|--|-----------------------------|--|
| Nectarines | 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 7 days if necessary. |
| | Oriental Fruitmoths | 1 pt. in 100 gals. of water | Apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult flight. |

Notes: (1) Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season. (2) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest. NOTE: THE CALIFORNIA DEPARTMENT OF AGRICULTURE HAS SET A 5-DAY RE-ENTRY TO DIAZINON INSECTICIDE ON NECTARINES. FIVE DAYS SHOULD LAPSE 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 organic pesticides are applied in combination, the interval shall be prolonged by adding to the longest applicable interval an additional 50% of that interval.

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| Peaches | Aphids, Brown Mites (Clover Mites), Two-spotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers | 1 pt. in 100 gals. of water | Apply as infestations occur. Repeat application after 14 days if necessary. |
| | Oriental Fruit Moths | 1 pt. in 100 gals. of water | Apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult flight. |
| | Peach Twig Borers | 1 pt. in 100 gals. of water | Apply as insects occur in May and June. Allow 7 days between applications. |

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| Peaches (continued) | Leafhoppers | 1 pt. in 100 gals. of water | Make 3-4 applications beginning at petal fall and continuing through the growing season. Allow at least 7 days between applications. |
| | White Peach Scale | 1 1/2 - 2 pts. in 100 gals. of water | Apply post harvest timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestation 2 applications (7 days apart) may be needed. Do not apply before fruit is harvested. |

Notes: (1) Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season. (2) To avoid illegal residues, allow a minimum of 21 days between the last application and harvest. NOTE: THE CALIFORNIA DEPARTMENT OF AGRICULTURE HAS SET A 5-DAY RE-ENTRY TO DIAZINON INSECTICIDE ON PEACHES. FIVE DAYS SHOULD LAPSE 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 organic pesticides are applied in combination, the interval shall be prolonged by adding to the longest applicable interval an additional 50% of that interval.

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| 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 | 1/2-1 pt. in 100 gals. of water | |

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

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|--------|---|---------------------------------|-------------------------------|
| Prunes | Brown Mites, Clover Mites, European Red Mites | 1 pt. in 100 gals. of water | Apply as needed every 7 days. |
| | Leafcurl Plum Aphids, Mealy Plum Aphids, Thistle Aphids | 1/2-1 pt. in 100 gals. of water | |

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

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| 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 | 1 qt. per acre | Broadcast in sufficient water to obtain even coverage when insects are present. Apply 1-2 days before transplanting and immediately incorporate into the top 1-2 inches of soil. |
| | Strawberry Leafrollers | 3/4-1 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. |

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| Walnuts (CA only) | Aphids, Spider Mites | 1 qt. per acre | Apply as a foliar spray as needed. Repeat application in 14 days if necessary. Do not make more than 3 applications per season. Do not apply with 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. |
| | Codling Moths, Scale Crawlers, Walnut Caterpillars | 3 qts. per acre | |

Vegetable Crops
REI - 24 hours

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 or by ground application as specified in the following table. The specific amount of product to be used appears under the separate directions for use for each crop.

| Crop | Ground Application | | Aerial Application |
|---|--------------------|-----------------------------|--------------------|
| | Minimum Gals./Acre | Minimum Gals. 1,000 sq. Ft. | |
| Beans (Lima, Pole, and Snap) (succulent only) | 10 | 2 | 5 |
| Beets, Red (Table) | 10 | 2 | 5 |
| Broccoli | 10 | 2 | 5 |
| Brussels Sprouts | 10 | 2 | 5 |
| Cabbage | 10 | 2 | 5 |
| Cantaloupes | 5 | 1 | 5 |
| Carrots | 10 | 2 | 5 |
| Casabas | 5 | 1 | 5 |
| Cauliflower | 10 | 2 | 5 |

| | | | |
|-------------------------|----|---|---|
| Chinese Broccoli | 10 | 2 | 5 |
| Chinese Cabbage | 10 | 2 | 5 |
| Chinese Mustard | 10 | 2 | 5 |
| Collards | 10 | 2 | 5 |
| Crenshaws | 5 | 1 | 5 |
| Cucumbers | 5 | 1 | 5 |
| Endive (Escarole) | 10 | 2 | 5 |
| Honeydew Melons | 5 | 1 | 5 |
| Kale | 10 | 2 | 5 |
| Lettuce (Head and Leaf) | 10 | 2 | 5 |
| Muskmelons | 5 | 1 | 5 |
| Mustard | 10 | 2 | 5 |
| Onions (Bulb and Green) | 10 | 2 | 5 |
| Parsley | 10 | 2 | 5 |
| Parsnips | 10 | 2 | 5 |
| Peas (succulent only) | 10 | 2 | 5 |
| Peppers | 10 | 2 | 5 |
| Persian Melons | 5 | 1 | 5 |
| Potatoes (Irish)* | 10 | 2 | 5 |
| Radishes | 10 | 2 | 5 |
| Spinach | 10 | 2 | 5 |
| Squash, Summer | 5 | 1 | 5 |
| Squash, Winter | 5 | 1 | 5 |
| Sweet Corn | 20 | 4 | 5 |
| Sweet Potatoes | 10 | 2 | 5 |
| Swiss Chard | 10 | 2 | 5 |
| Tomatoes | 10 | 2 | 5 |
| Turnips | 10 | 2 | 5 |
| Watermelons | 5 | 1 | 5 |

*Do not use on commercially grown potatoes which will be hand-harvested. Observe stated time intervals between last application and harvest as well as intervals between and maximum numbers of applications per season.

Pre-Harvest Intervals (PHI*) for Foliar Applications

| Crop | PHI* (Days) |
|------------------------------|-------------|
| Beans (Lima, Pole, and Snap) | 7 |

| | |
|-------------------------|----|
| Beets, Red (Table) | 14 |
| Broccoli | 7 |
| Brussels Sprouts | 7 |
| Cabbage | 21 |
| Cantaloupes | 3 |
| Carrots | 14 |
| Casabas | 3 |
| Cauliflower | 7 |
| Chinese Broccoli | 10 |
| Chinese Cabbage | 10 |
| Chinese Radish | 10 |
| Chinese Mustard | 10 |
| Collards | 10 |
| Crenshaws | 3 |
| Cucumbers | 7 |
| Ginseng | 30 |
| Endive (Escarole) | 14 |
| Honeydew Melons | 3 |
| Kale | 10 |
| Lettuce (Head and Leaf) | 14 |
| Muskmelons | 3 |
| Mustard | 10 |
| Onions (Bulb and Green) | 14 |
| Parsnips | 14 |
| Peas | 7 |
| Peppers | 5 |
| Persian Melons | 3 |
| Potatoes (Irish) | 35 |
| Radishes | 14 |
| Spinach | 14 |
| Squash, Summer | 7 |
| Squash, Winter | 3 |
| Sweet Corn | 7 |
| Swiss Chard | 14 |

| | |
|--------------------------|----|
| Tomatoes | 1 |
| Turnips (Roots and Tops) | 14 |
| Watermelons | 3 |

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

Notes: (1) Soil Incorporation: Following application of this product to control vegetable soil insects, immediately incorporate the product into the soil to the recommended depth (see Timing/Special Directions) using a rotary hoe, cultivator, disk, harrow or other suitable means. For control of surface cutworms, incorporate 2-3 inches, for subterranean cutworms incorporate 3-6 inches. (2) To Protect Bees: Foliar applications of this product should not be made to peas or beans if these crops or weeds in the treatment area are in bloom, or to corn during the pollen shed period.

| CROP | PEST | RATE | TIMING/SPECIAL DIRECTIONS |
|---|---|--------------------------|---|
| Beans (Lima, Pole, and Snap) (succulent only) | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note). |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Black Bean Aphids, Mexican Bean Beetles, Dipterous Leafminers | 1-1 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. |

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| <p>Beans (continued)</p> | <p>Cucumber Beetles</p> | <p>3/4 pt. per acre</p> | <p>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.</p> <p>Make cucumber beetle application in 100 gals. of water per acre.</p> <p>Note: (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.</p> |
| <p>Beans, Lima (succulent only)</p> | <p>Leafhoppers, Spider Mites</p> | <p>1 pt. per acre</p> | <p>Apply as pests occur. Repeat application, as necessary, every 5 days. Do not make more than 3 applications per season.</p> <p>Do not apply within 7 days of harvest or illegal residues may occur.</p> <p>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.</p> <p>Note: To protect bees, do not apply foliary if the crop or weeds in the treatment area are in bloom.</p> |
| <p>Beets, Red (Table)</p> | <p>Cutworms</p> | <p>2-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)</p> |

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|--------------------------------------|----------------------|--------------------|---|
| Beets, Red (Table) (continued) | 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 up to 5 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest, or illegal residues may occur. Do not apply within 14 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate-resistant leafminers. |
| 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. |

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| Broccoli (continued) | 4-8 oz. in 50 gals. of water | In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply 1/2-1 cup (4 to 8 oz.) per plant by hand or by tractor mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. 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 application, as necessary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 7 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate- resistant leafminers. |

| | | | |
|------------------|---------------|--------------------------|--|
| 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 gal. water | 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 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 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. |

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|------------------------------|--|--------------------------|---|
| Brussels Sprouts (continued) | Aphids, Diamondback Moths, Imported Cabbageworms | 1/2-1 pt. per acre | <p>Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications.</p> <p>Do not apply within 7 days of harvest, or illegal residues may occur.</p> |
| 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 gal. water | <p>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 sprayer equipped with drop nozzles to direct spray to the base of the plant.</p> <p>Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting.</p> |
| | 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. |

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| Cabbage (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, 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 | 2-3 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 | 1 qt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest, or illegal residues may occur. |

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| Cauliflower | Root Maggots | 3-4 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 gal. water | 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 sprayer equipped with drop nozzles to direct spray to the base of the plant. Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting. |
| | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note) |
| | Mole Crickets | 1 qt. per acre | 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. |

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| Cauliflower (continued) | Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers | 1/2-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times per season, with a minimum of 7 days between applications. Do not apply within 5 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate- resistant leafminers. |
| Chinese Broccoli | Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers | 1/2-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times per season, with minimum of 7 days between applications. Do not apply within 10 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate- resistant leafminers. |
| Chinese Cabbage (Bok Choy and Napa). | Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers | 1/2-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times per season, with minimum of 7 days between applications. Do not apply within 10 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate- resistant leafminers. |

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| <p>Chinese Mustard (Gai Choy)</p> | <p>Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers</p> | <p>1/2-1 pt. per acre</p> | <p>Apply as insects occur. Repeat application, as necessary, up to 5 times per season, with minimum of 7 days between applications.</p> <p>Do not apply within 10 days of harvest or illegal residues may occur.</p> <p>Note: Diazinon will not control organophosphate-resistant leafminers.</p> |
| <p>Chinese Radish (Japanese Radish or Daicon) (FL and CA only)</p> | <p>Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers</p> | <p>1 pt. per acre</p> | <p>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.</p> <p>Do not apply within 10 days of harvest or illegal residues may occur.</p> <p>Note: Diazinon will not control organophosphate resistant leafminers.</p> |
| <p>Collards</p> | <p>Cutworms</p> | <p>2-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note)</p> |
| | <p>Mole Crickets</p> | <p>1 qt. per acre</p> | <p>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.</p> |
| | <p>Wireworms</p> | <p>3-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.</p> |

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| Collards (continued) | Aphids, Diamondback Moths, Imported Cabbageworms, Harlequin bugs, 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 Leafminers, Thrips, Striped Cucumber Beetles, Melonworms | 1 pt. per acre | Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 7 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 (Escarole) | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note) |
| | Mole Crickets | 1 qt. per acre | 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. |

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| Endive (Escarole) (continued) | 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 leafminers. |
| Ginseng | Leafhoppers, Aphids, Lygus Bugs, Flea Beetles, Jumping Plant Lice | 3/4-1 pt. per acre | Spray when insects first appear. For heavy insect infestations, use 1 pt. per acre. Apply by ground equipment using 10 to 100 gals. of water per acre. Do not apply more than one application per growing season. Do not apply during flowering of three or four year old crops. Do not apply within 30 days of harvest. Do not graze treated areas or feed treated forage to livestock. |
| Kale | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note). |
| | Mole Crickets | 1 qt. per acre | Apply to plant beds or fields, 1-2 days before sowing of seed or tansplanting and immediately incorporate into the top 1-2 inches of soil. |

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| Kale (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, Harlequin bugs, 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 3-4 inches of soil. |
| | Aphids, Dipterous Leafminers | 1/2-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate resistant leafminers. |

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| Melons (Cantaloupes Casabas, Crenshaws, Honeydew, Muskmelons, Persians, and Hybrids of these) and Watermelons | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note) |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Dipterous Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, Spider Mites | 1/2-1 1/2 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 leafminers. |
| Mustard | Mole Crickets | 1 pt. 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. |
| | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note) |

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| Mustard (continued) | Aphids, Dipterous Leafminers, 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. Do not apply within 10 days of harvest. Note: Diazinon will not control organophosphate resistant leafminers. |
| 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. (See Soil Incorporation Note) Note: Diazinon will not control organophosphate resistant onion maggots. |
| | Onion Thrips | 1 pt. per acre | Apply as thrips appear. Repeat after 7 days, if necessary. Do not make more than 3 applications per season. Do not apply within 14 days of harvest or illegal residues may occur. |
| | 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. |

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| <p>Parsnips</p> | <p>Aphids, Flea Beetles, Dipterous Leafminers</p> | <p>1/2-1 pt. per acre</p> | <p>Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications.</p> <p>Do not apply within 14 days of harvest or illegal residues may occur.</p> <p>Note: Diazinon will not control organophosphate resistant leafminers.</p> |
| <p>Peas (succulent only)</p> | <p>Cutworms</p> | <p>2-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note)</p> |
| | <p>Wireworms</p> | <p>3-4 qts. per acre</p> | <p>Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note)</p> |
| | <p>Aphids, Dipterous Leafminers</p> | <p>3/4-1 pt. per acre</p> | <p>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.</p> <p>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.</p> <p>Note: Diazinon will not control organophosphate resistant leafminers.</p> |

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| Peppers | Cutworms | 2-4 pts. 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, Serpentine Leafminers | 1/2-1 pt. per acre | Apply as insects occur. Repeat application after 7 days if necessary. 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 leafminers. |
| Potatoes | Cutworms (Surface and Subterranean) | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note) |
| | Southern Potato Wireworms (Southeastern U.S.) | 2-4 qts. per acre | For potatoes grown on mineral soils in the Southeast, apply prior to planting and immediately incorporate into the top 3-6 inches of soil depending on location of wireworms. |
| | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |

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| Potatoes (Continued) | Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leafminers | 1/2-3/4 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times with a minimum of 7 days between applications. Do not apply within 35 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate resistant leafminers. |
| | Banded Cucumber Beetles, Leafhoppers, Southern Armyworms | 3/4-1 pt. per acre | Apply as insects occur. Repeat application as necessary up to 5 times with a minimum of 7 days between applications. Do not apply within 35 days of harvest or illegal residues may occur. |

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

| Crop | Pest | Rate | Timing/Special Directions |
|----------|---------------|-------------------|---|
| Radishes | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note) |
| | Mole Crickets | 1 qt. per acre | Apply to plant beds or fields, 1-2 days before sowing of seed or transplanting and immediately incorporate in 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. |

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| Radishes (continued) | Aphids, Flea Beetles, Dipterous Leafminers | 1/2-1 pt. per acre | <p>Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.</p> <p>Do not apply within 14 days of harvest or illegal residues may occur.</p> <p>Note: Diazinon will not control organophosphate resistant leafminers.</p> |
| 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 | <p>Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.</p> <p>Do not apply within 14 days of harvest or illegal residues may occur.</p> <p>Note: Diazinon will not control organophosphate resistant leafminers.</p> |
| Squash, Summer | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note) |

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| Squash, Summer (continued) | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil. |
| | Aphids, Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, Spider Mites | 1/2-1 1/2 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 7 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate resistant leafminers. |
| 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, Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, Spider Mites | 1/2-1 1/2 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 leafminers. |
| Sweet Corn | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil (See Soil Incorporation Note) |

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| Sweet Corn (continued) | Seed Corn Maggots | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-8 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 1/4 qts. per acre | Apply when silks first appear. Repeat application every 7 days up to a maximum of 5 applications, if necessary. |
| | 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 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 in 7 days if necessary. Do not make more than 5 applications per season. |
| | Grasshoppers, Spider Mites, Flea Beetles | 1 pt. per acre | Apply as insects occur. Repeat if necessary, but do not make more than 5 applications per season. |
| | Sap Beetles | 2-2 1/2 pts. per acre | Consult local agricultural authorities for proper timing of application. Repeat application in 7 days, if necessary. Do not make more than 5 applications per season. |

Notes: (1) To protect bees, do not apply foliarly to corn during the pollen shed period. (2) Allow a minimum of 7 days between the last application and grazing or cutting for forage. (3) Corn may be picked 7 days after the last application.

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| 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 | 1/2-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may occur. |
| Tomatoes | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note) |
| | Mole Crickets | 1 qt. per acre | 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. |

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| Tomatoes (continued) | Aphids, Dipterous Leafminers | 1/2 pt. per acre | Apply as insects occur. Repeat application after 7 days, as necessary. 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 organophosphate resistant leafminers. |
| | Vinegar Flies (Drosophila spp) | 1/2-1 1/2 pts. per acre | |
| | Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms, Beet Armyworms | 3/4-1 pt. per acre | |
| Turnips (Roots and Tops) | Cutworms | 2-4 qts. per acre | Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note) |
| | Mole Crickets | 1 qt. per acre | 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. |

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| Turnips (continued) | Aphids, Flea Beetles, Dipterous Leafminers | 1/2-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 14 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate resistant leafminers. |
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Field Crops
REI - 24 hours

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

Pre-Harvest Intervals (PHI*) For Foliar Applications

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

*PHI = Pre-Harvest Interval or the number of days 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 applications, if necessary in 14 days. Do not make more than 4 applications per season or apply within 14 days of harvest or illegal residues may occur. |

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| Sugar Beets | Wireworms | 3-4 qts. per acre | Broadcast just before planting and immediately incorporate into the top 4-6 inches of soil. Do not apply more than 4 qts. of this product to the soil per season. |
| | Beet Leafhoppers, Dipterous Leafminers, Aphids | 3/4-1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times per season with a minimum of 7 days between applications. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate resistant leafminers. |
| | Grasshoppers | 1 pt. per acre | Apply as insects occur. Repeat application, as necessary, up to 5 times per season with a minimum of 7 days between applications. Do not apply within 14 days of harvest. |

Note: Tops may be fed to beef and dairy animals.

Grassland Insects

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

Grasshoppers: Spray 3/4-1 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 food or feed.

Insect Control on Ornamentals
REI - 12 hours

To control certain insects on ornamentals, such as Arborvitae, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Douglas Fir, Elm, Gladioli, Hawthorn, Holly, Juniper, Lilas, 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.

| Insects | Amount of Diazinon AG-500 | |
|---|---------------------------|--------------------------|
| | Rate per 3 gals water | Rate per 100 gals. water |
| Aphids, Bagworms, Carnation Bud Mites, Carnation Shoot Mites, Clover Mites, Cyclamen Mites, Dipterous Leafminers, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leaf-tiers, Privet Mites, Scale Crawlers (Cottoncushion, Lecanium, Pine Needle, San Jose, Soft), Thrips, Two-Spotted Spider Mites, Juniper Webworms, Whiteflies | 1/2 oz.* | 1 pt.** |
| Apple-and-Thorn Skeletonizers, Cottoneaster Webworms, Fall Webworms, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars | 1 1/2 oz.* | 3 pts.** |

* 1 Fl. oz. = 2 tablespoons

** 16 Fl. oz. = pint

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

Mimosa Webworms: Mix 1/2 fl. oz. in 3 gals. of water (or 1 pt. in 100 gals. of water) and apply as a thorough spray when adults first appear. Make a second and third application at 4-5 week intervals.

Lawn Pest Control (Excluding Sod Farms and Golf Courses)

Precautions: Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds, especially waterfowl. Avoid overlapping sprays. If waterfowl, i.e., ducks or geese, can be expected to enter treated area after treatment (except spot treatments), water lawn with at least 1/4 inch of water immediately after application, however, stop irrigation before puddling occurs.

To control pests listed below, apply recommended rates.

| Pests | Rate/1000 sq. ft. | | Remarks |
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| | Diazinon AG500 | Water | |
| Lawn Chinch Bugs | 2-3 oz. | 3 gals. | Use higher rate for longer residual control and in turfgrass of dense growth such as St. Augustine. |
| Ants, Armyworms, Bermudagrass Mites, Clover Mites, Springtails (Collembola), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Leafhoppers, Sod Webworms (Lawn Moths), Sowbugs (Pillbugs), | 2-3 oz. | 3 gals. | Spot spray ant hills and wasp ground nest openings. For digger wasps, apply product at dusk when wasps are not active. For frit flies, mow grass and water well before treatment, but delay application until grass is dry. |
| Brown Dog Ticks, Chiggers, Fleas | 3 oz. | 3 gals. | Note: Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house. |
| Hyperodes Weevils | 3 oz. | 3 gals. | Treat problem areas in mid-April and again in mid-May. |
| Millipedes | 3 oz. | 3 gals. | |
| Rhodesgrass Scales | 3 oz. | 3 gals. | Apply when crawlers first emerge. |
| White Grubs, (Japanese Beetle Larvae, European Chafer, Southern Chafer) | 3 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 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.
NOTE: Do not apply to animals. Do not apply to plants (except tree trunks) at this nuisance pest rate.

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 of 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 MICRO FLO or the Seller. All such risks shall be assumed by the Buyer.

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