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MAY 16 1990

Ms. Carolyn Bussey  
Ciba-Geigy Corporation  
P.O. Box 18300  
Greensboro, NC 27419

Subject: Follow-up to EPA letter dated May 15, 1990  
D-z-n Diazinon 50W  
EPA Reg. No. 100-460  
Your label submission dated April 16, 1990

Dear Ms. Bussey:

As noted in our letter of this same date accepting your April 16, 1990 label submission for D.z.n Diazinon AG500, in addition to those revisions to the D.z.n 50W label specified in our letter dated May 15, 1990, please delete the paragraph entitled "Boxelder bugs" from the "Lawn Pests Control" directions. The use pattern is not an overall lawn treatment and the new "Nuisance Pests in Outside Areas" directions include this pest and indicate similar sites at a new lower rate of application.

Sincerely yours,

George T. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (H7504C)

172 212  
MAY 15 1990

Ms. Carolyn Bussey  
Ciba-Geigy Corporation  
P.O. Box 18300  
Greensboro, NC 27419

Subject: Amendments - Revise per Diazinon Registration Standard;  
Revisions per Agency letter dated February 16, 1990;  
Delete pests - Root maggots/beets, carrot rust fly/carrots;  
Delete furrow application - onions/onion maggots;  
Revise Outdoor Nuisance Pests directions & add pests;  
Add pests - white grubs, Hyperodes weevil/lawns;  
Delete lawn watering-in directions; and  
Standardize lawn application rates  
D-z-n Diazinon 50W  
EPA Reg. No. 100-460  
Your submission dated April 16, 1990

Dear Ms. Bussey:

The amendments referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act, are acceptable provided the following revisions are made when preparing the finished labeling prior to release for shipment under the amended label:

- 1) All the handwritten revisions and deletions which you have indicated on this current submission must be incorporated in the finished labels.
- 2) For the crop pears, although your cover letter indicates that "pearleaf blister mite eggs was intentionally deleted from the directions for use for pears", the submitted booklet label shows handwritten addition of this same pest to pears (mite is misspelled). Please resolve this discrepancy.
- 3) Is there a reason why the added lawn pests (white grubs and Hyperodes weevil) appear in separate paragraphs rather than being added to the existing table with their associated "Remarks"? The application rates are the same as those for other pests appearing in the lawn pests table.
- 4) Revise the heading "Fly Control" to "Fly Control in Livestock Structures" Also, it would appear more logical to relocate this section to appear directly after the section on "Livestock Insects", rather than its present location after "Lawn Pest Control".

A stamped copy of the container and the booklet label is enclosed for your records. Please submit five (5) copies of the revised amended labeling prior to release for shipment under the amended label. If a revised version of this label will be prepared to serve as a guide to your customers and will be available before the finished product labeling for release for shipment, the Agency would appreciate receiving a copy of that g.u.d. label also.

Please refer to the Diazinon Registration Standard, as amended, for release for shipment and channels of trade dates for diazinon products bearing appropriately amended labels.

Sincerely yours,

George T. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (H7504C)

**BEST AVAILABLE COPY**

**RESTRICTED USE PESTICIDE**  
**Due to Avian and Aquatic Toxicity**

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

Container Label for Use With Booklet

D·z·n® diazinon 50W

Insecticide

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

For control of certain insects and mites on fruits, nuts, vegetables, field crops, turfgrass and ornamentals. For specific pests, refer to use directions in booklet.

Active Ingredient:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate ..... 50%

Inert Ingredients: ..... 50%

Total: ..... 100%

D·z·n diazinon 50W is a wettable powder

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

Precaución Al Usuario: Si usted no lee inglés, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

See additional precautionary statements on left panel.

See directions for use on panel at right.

EPA Reg. No. 100-460  
EPA Est. 100-AL-1

5 Pounds                      or                      4 Pounds  
Net Weight    Net Weight

CIBA-GEIGY

(DRAFT - LABELS-D.4 - DZN50W/5/F4)

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

*Stamp below* FEB 16 1990

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 100-460

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAY 15 1990

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 100-460

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

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

Conditions of Sale and Warranty

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

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

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### General Information

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D·z·n diazinon 50W is a wettable powder which should be mixed with sufficient water to assure thorough coverage unless otherwise noted in the Directions for Use.

Best control is obtained when application is made at first sign of pests. Application should be repeated only as directed to maintain control.

Since D·z·n diazinon 50W is a wettable powder formulation, constant agitation is necessary during application.

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

D·z·n diazinon 50W may be applied aerially to head lettuce, tomatoes, apples, pears, peaches, nectarines, plums, prunes, cherries, apricots, almonds, and walnuts only.

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### DIRECTIONS FOR USE

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

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

#### Chemigation

Refer to supplemental labeling booklet in bottom flap of bag for chemigation use directions for *to cranberries*. Do not apply this product through any type of irrigation system unless the specific directions for chemigation are followed.

Do not apply this product to any other crop or site through any type of irrigation system.

#### Work Safety Rules

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

When handling D·z·n Diazinon 50W, do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See Practical Treatment section of this label. When handling this product, wear the personal protective equipment listed in the following section.

**BEST AVAILABLE COPY**

PERSONAL PROTECTIVE EQUIPMENT:

Long-sleeved shirt, long-legged pants, shoes and socks, and chemical-resistant gloves.

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

Reentry Statement

Twenty-four hours must elapse between the time of application to vegetables, fruits, nuts and field crops and the time a worker enters or is allowed to enter the treated area, unless the person entering the treated area is wearing the personal protective equipment listed above. For lawns, ornamentals, or non-crop areas, do not enter or allow entry into treated areas without personal protective equipment until sprays have dried.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. (See Note below.)

In vegetables, fruit trees, or field crops, written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must inform workers of areas or fields that may not be entered without specific personal protective equipment for 24 hours after application, and appropriate actions to take in case of accidental exposure, as described under Precautionary Statements on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: WARNING. Area treated with D-z-n diazinon 50W on (date of application). Do not enter without appropriate personal protective equipment for 24 hours after application. In case of accidental exposure, flush eyes or skin with plenty of water. Call physician if irritation persists. Remove and wash contaminated clothing before reuse.

Note: The California Department of Agriculture has set a 5-day reentry period for diazinon on grapes, peaches, and nectarines. Five days should elapse between the time of application and the time a worker may enter the field to engage in any activity requiring substantial contact with treated foliage. When a mixture of two or more organophosphate pesticides are applied in combination, the interval should be prolonged by adding to the largest applicable interval an additional 50% of that interval.

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For specific directions for use, see booklet in bottom flap of bag.

D·z·n diazinon 50W is registered for use in or on:

Almonds (CA only)	Grapes	Pineapple
Apples	Hops	Plums
Apricots	Kale	Potatoes**
Beans, (lima, snap, pole) (succulent only)	Lawns (excludes golf courses and sod farms)	Prunes
Beets	Lettuce	Radishes
Blackberries (WA, OR, CA only)	Loganberries (WA, OR, CA only)	Raspberries (WA, OR, CA only)
Boysenberries (WA, OR, CA only)	Melons	Seed Treatment, planter box (Corn and succulent peas and beans)
Broccoli	Mushroom Houses	Sheep
Brussels Sprouts	Mustard	Spinach
Cabbage	Nectarines	Squash
Caneberries (WA, OR, CA only)	Non-crop Areas	Strawberries
Carrots	Onions	Sugar Beets
Cauliflower	Ornamentals	Sweet Potatoes
Celery	Parsley	Swiss Chard
Cherries	Parsnips	Tomatoes
Chinese broccoli	Peaches	Turnips
Chinese cabbage (Bok choy and Napa)	Pears	Turnip Tops
Chinese mustard	Peas (succulent only)	Walnuts (CA only)
Collards	Peppers	
Corn, Sweet		
Cranberries		
Cucumbers		
Dewberries (WA, OR, CA only)		
Endive		
Fly control in barns and animal sleeping quarters*		

\*except dairy animals, milk rooms, and poultry houses.

\*\*except commercially-grown potatoes which will be hand-harvested.

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:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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.

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING

May be fatal if swallowed. May be absorbed through skin. Do not breathe dust or spray mist. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling and before eating or smoking. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not use on humans or pets. Do not contaminate ornamental fish ponds. Do not permit children or pets to go onto sprayed grass until spray has completely dried. For foliar application to agricultural crops whose culture involves hand labor, there is a 24-hour re-entry period (see Re-entry Statement). *Be sure to read and follow the "Work Safety Rules" that appear in the attached booklet.*

Continued ...

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Statement of Practical Treatment

If swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.

If inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If on skin: Remove contaminated clothing and wash affected areas thoroughly with soap and water.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation develops or persists.

Note to Physician: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal but only in conjunction with atropine.

Environmental Hazards

**BEST AVAILABLE COPY**

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. Where irrigation is recommended in the directions or if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), on lawns 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 or wetlands (swamps, bogs, marshes and potholes). 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.

Continued

Physical or Chemical Hazards

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

D·z·n® trademark of CIBA-GEIGY for diazinon

©1990 CIBA-GEIGY Corporation

Agricultural Division  
CIBA-GEIGY Corporation  
Greensboro, North Carolina 27419

CGA 1L118F (5 Pounds)  
CGA 1L117E (4 Pounds)

**BEST AVAILABLE COPY**

(LABELS-D.4 - DZN50W/5/F4)

Revised June 2, 1982

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Revised Nov. 30, 1982  
(Including EPA comments of 11/22/82)

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Revised Jan. 02, 1985  
(EPA PR Notices 83-2 & 83-3)

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Revised March 3, 1987  
Reduced rates on turf, separate sections for golf courses and lawns, revised Environmental Hazards

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Revised April 5, 1988  
Deleted golf courses, sod farms, added do not use on golf courses, sod farms, deleted ref. to golf courses and sod farms from Env. Hazards, added chemigation prohibition.

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Revised November 22, 1988 -  
Deleted non-supported crops per EPA's May 1, 1988 Data Call-In, added spill statement

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Accepted 11/23/88 with  
 comments  
 Revised 2/28/89 per EPA  
 comments and per Data Call-In  
 - Moved golf course/sod farm  
 prohibition under product  
 name, changed a.i. name back  
 to original accepted version,  
 revised Hazards to Humans and  
 Domestic Animals, Revised  
 precautionary statements,  
 revised Env. Hazards, added  
 "Recommended for Agricultural  
 or Commercial Use only,  
 revised note to physician,  
 revised list of labeled crops,  
 did not include apricots,  
 plums or prune dfu's on  
 container label because of  
 lack of space.

Revised 6/7/89 - revised  
 reentry statements - 24 hr.  
 reentry for vegs., fruits,  
 field crops, see booklet.

Revised 9/15/89 - minor  
 revisions per EPA letter of  
 6/23/89 and Registration  
 Standard.

Revised 11/21/89 - per EPA  
 letter of 11/6/89

Revised 1/10/90 - referral  
 statement for chemigation -  
 cranberries and revised Env.  
 Hazards per EPA letter of  
 12/4/89, deleted blueberries.

*Revised Apr. 16, 1990 per  
 EPA letter of 2/10/90*

(LABELS-D.4 - DZN50W/5/F4)

RESTRICTED USE PESTICIDE  
Due to Avian and Aquatic Toxicity

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

Booklet for 4 and 5 Lbs.

D·z·n® diazinon 50W

Insecticide

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

For control of certain insects and mites on fruits, nuts, vegetables, field crops, lawns, and ornamentals. For specific pests, refer to use directions.

Active Ingredient:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate ..... 50%

Inert Ingredients: ..... 50%

Total: ..... 100%

D·z·n diazinon 50W is a wettable powder

KEEP OUT OF REACH OF CHILDREN.

WARNING

See additional precautionary statements at end of booklet.

See directions for use inside booklet.

AVISO

Precaución Al Usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta haya sido explicado ampliamente.

EPA Reg. No. 100-460

CIBA-GEIGY

(LABELS-D.4 - DZN50W/B/F1)

*See stamp below*  
ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
FEB 16 1990

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 100-460

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
MAY 15 1990

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 100-460

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

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

Conditions of Sale and Warranty

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

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

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General Information

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D·z·n diazinon 50W is a wettable powder which should be mixed with sufficient water to assure thorough coverage unless otherwise noted in the Directions for Use.

Best control is obtained when application is made at first sign of pests. Application should be repeated only as directed to maintain control.

Since D·z·n diazinon 50W is a wettable powder formulation, constant agitation is necessary during application.

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

D·z·n diazinon 50W may be applied aerially to head lettuce, tomatoes, apples, pears, peaches, nectarines, plums, prunes, cherries, apricots, almonds, and walnuts only.

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DIRECTIONS FOR USE

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

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

CHEMIGATION

APPLICATION THROUGH AN IRRIGATION SYSTEM (CHEMIGATION) - CRANBERRIES ONLY

D·z·n diazinon 50W may be applied alone or in combination with other pesticides registered for application through sprinkler irrigation systems to cranberries. To insure compatibility, pour the products into a small container of water in the correct proportions. After thorough mixing, let stand for five minutes. If the combination remains mixed, or can be remixed readily, the mixture is compatible.

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

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

Do not connect the irrigation system used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments if the need arises.

Chemigation System Connected to Public Water Systems

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

Sprinkler Chemigation

1. The system must contain a functional check valve, a vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

#### Operating Instructions

1. Determine the acreage to be treated by the sprinkler system.
2. Measure the appropriate amount of D·z·n diazinon 50W 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 D·z·n diazinon 50W to the chemigation system supply tank and dilute with water if needed. Constant agitation is required to keep the product in solution when D·z·n diazinon 50W is used alone or 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.

#### Work Safety Rules

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

When handling D·z·n diazinon 50W, do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See Practical Treatment section of this label. When handling this product, wear the personal protective equipment listed in the following section.

PERSONAL PROTECTIVE EQUIPMENT:

Long-sleeved shirt, long-legged pants, shoes and socks, and chemical-resistant gloves.

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

Reentry Statement

Twenty-four hours must elapse between the time of application to vegetables, fruits, nuts and field crops and the time a worker enters or is allowed to enter the treated area, unless the person entering the treated area is wearing the personal protective equipment listed above. For lawns, ornamentals, or non-crop areas, do not enter or allow entry into treated areas without personal protective equipment until sprays have dried.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. (See Note below.)

*Statement of Practical Treatment in the  
Precautionary Statements on this label.*

In vegetables, fruit trees, or field crops, written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must inform workers of areas or fields that may not be entered without specific personal protective equipment for 24 hours after application, and appropriate actions to take in case of accidental exposure, as described under Precautionary Statements on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: WARNING. Area treated with D·z·n diazinon 50W on (date of application). Do not enter without appropriate personal protective equipment for 24 hours after application. In case of accidental exposure, flush eyes or skin with plenty of water. Call physician if irritation persists. Remove and wash contaminated clothing before reuse.

Note: The California Department of Agriculture has set a 5-day reentry period for diazinon on grapes, peaches, and nectarines. Five days should elapse between the time of application and the time a worker may enter the field to engage in any activity requiring substantial contact with treated foliage. When a mixture of two or more organophosphate pesticides are applied in combination, the interval should be prolonged by adding to the largest applicable interval an additional 50% of that interval.

Fruit and Nut Crops

D·z·n® diazinon 50W may be applied using ground or aerial application equipment as follows in the table below. The specific amount of product to be used appears under the separate directions for use for each crop.

CROP	AIR	MINIMUM Gallons/ Acre	GROUND	MINIMUM Gallons/Acre	
				DILUTE	CONCENTRATE
Almonds*	Yes	20	Yes	100	20
Apples	Yes	20	Yes	100	20
Apricots	Yes	20	Yes	100	20
Blackberries**	No	-	Yes	10	
Boysenberries	No	-	Yes	10	
Cherries	Yes	20	Yes	100	20
Cranberries	No	-	Yes	400	
Dewberries**	No	-	Yes	10	
Grapes	No	-	Yes	20	
Loganberries**	No	-	Yes	10	
Nectarines	Yes	20	Yes	100	20
Peaches	Yes	20	Yes	100	20
Pears	Yes	20	Yes	100	20
Pineapple	No	-	Yes	200	
Plums	Yes	20	Yes	100	20
Frunes	Yes	20	Yes	100	20
Raspberries**	No	-	Yes	10	
Strawberries	No	-	Yes	10	
Walnuts*	Yes	20	Yes	100	20

\*CA only

\*\*CA, OR, or WA only

The rate of D·z·n diazinon 50W for concentrate ground and aerial sprays is based on a dilute full cover spray with conventional ground equipment applied at a rate of 300-600 gallons of water per acre. If directions call for 1 lb. of D·z·n diazinon 50W per 100 gallons of water this amounts to 3-6 lbs. per acre when applied at dilute ground spray volumes.

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

CROP	*PHI	<i>No. Applications Permitted per Season</i>
Almonds	45	5
Apples	14	5
Apricots	10	5
Blackberries	7	5
Boysenberries	7	5
Cherries	10	5
Cranberries	7	5
Dewberries	7	5
Grapes	18/7*	5
Loganberries	7	5
Nectarines	10	5
Peaches	20	5
Pears	14	5
Pineapple	7	5
Plums, Prunes	10	5
Raspberries	7	5
Strawberries	5	5
Walnuts	45	5

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

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

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Almonds (CA only)	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Twig Borers, Apple Aphid Eggs, Black Cherry Aphid eggs, Mealy Plum Aphid Eggs, Mealybugs	1-1 1/2 lbs. + 2-3 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gallons of water	Apply as a dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gallons of oil per acre per application.
	Mites, Twig Borers	1-1 1/2 lbs. in 100 gallons of water	Apply as infestations occur. Repeat application after 14 days if necessary. Do not apply more than 6 lbs. of diazinon per acre per application or make more than 3 applications per season. Do not apply within 45 days of harvest or illegal residues may occur.  Almond hulls may be fed to livestock.
Apples	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs	1 lb. + 2 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gallons of water	Apply as a dormant or delayed dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gallons of oil per acre per application.

*particular*

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Apples (con't.)	Brown Mite Eggs, Twig Bor- ers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs		
	Leafhoppers	1 lb. in 100 gallons of water	Apply, beginning at petal fall, as infestations develop. Repeat application in 14 days if necessary. Do not apply more than 6 lbs. of diazinon per acre per application. Do not make more than 3 applications per season. Do not apply within 14 days of harvest or illegal resi- dues may occur.
	Eyespotted Bud Moths, Fruit Tree Leaf- rollers, Mealybugs	1 lb. in 100 gallons of water	Make 3 cover sprays, beginning at pink stage. Do not repeat application closer than 14 days. Do not apply more than 6 lbs. of diazinon per acre per applica- tion. Do not apply within 14 days of harvest or illegal resi- dues may occur.
Spider	Codling Moths, Rosy Apple Aphids, Green Apple Aphids, Wooly Apple Aphids, Mites	1 lb. in 100 gallons of water	Make 3 cover sprays beginning when infestations occur. Do not repeat applications closer than 14 days. Do not apply within 14 days of harvest or illegal resi- dues may occur.  NOTE: Mites will be suppressed if diazinon is used in the regu- lar cover spray program. Slight russeting may occur on some varieties of apples such as Golden Delicious.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Apples (con't.)	Apple Maggots	1 lb. in 100 gallons of water	<p>Make 3 cover sprays when flies are active and laying eggs. Do not repeat applications closer than 14 days. Do not apply more than 6 lbs. of diazinon per acre per application. Do not apply within 14 days of harvest or illegal residues may occur.</p> <p>NOTE: Diazinon may not control organophosphate-resistant apple maggots.</p>
	San Jose Scale Crawlers, Forbes Scale Crawlers	1 lb. in 100 gallons of water	Apply early in the season when crawlers first appear. If infestation warrants, make a second application 14 days later. Do not apply more than 6 lbs. of diazinon per acre per application.
Apricots	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Twig Bor- ers, Apple Aphid Eggs, Black Cherry Aphid Eggs Mealy Plum Aphid Eggs, Mealybugs	1 lb. + 2 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gallons of water	Apply as a dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gallons of oil per acre per application.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Apricots (con't.)	Aphids, Brown Mites (Clover Mites), Twospotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers	1 lb. in 100 gallons of water	Apply as infestations occur. Repeat application after 14 days if necessary. Do not apply more than 6 lbs. of diazinon per acre per application or make more than 4 applications per season. Do not apply within 10 days of harvest or illegal residues may occur
	Olive Scale Crawlers	1/2 lb. + 1 1/2 gals. of light medium horti- cultural oil in 100 gallons of water	Apply when scale crawlers are present. Do not apply more than 6 lbs. of diazinon per acre per application or make more than 4 applications per season. Do not apply within 10 days of harvest or illegal residues may occur.
	Apricot Mealybugs	1 lb. in 100 gallons of water	Apply as a cover spray from petal fall to June up to a maximum of 6 lbs. per acre per application. Allow 14 days between applications, and do not make more than 4 applications per season. Do not apply within 10 days of harvest or illegal residues may occur.

*Do not make more than 4 applications  
to any given crop of apricots. Do  
not apply to dormant spruce and 4  
other crops.*

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cane-berries CA, OR and WA only (Black-berries, Boysen-berries, Dew-berries, Logan-berries, Rasp-berries)	Leaf-hopper, Thrips, Aphids, Twospotted Spider Mites, Raspberry Fruit-worms	2 lbs. per acre or 1 lb. per 100 gallons of water (200 gals. per acre maximum)	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 gallons of spray per acre.  For Raspberry Fruitworm <sup>6</sup> make one application when blossom buds separate. Make a second application immediately before blossoms open.
	Dryberry Mites	2-4 lbs. per acre in a minimum of 100 gallons of water	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 gallons of water per acre.
	Raspberry Crown Borers (Raspberry Root Borer)	4 lbs. per acre in a minimum of 100 gallons of water	Apply as a drench to the crown and lower canes in the spring before buds break. Apply in a minimum of 100 gallons of water per acre.
Cherries	San Jose Scale, Parlatoria Scale, Black Scale Brown Scale, Apricot Scale, European Red Mite Eggs	1 1/4 lbs. + 3 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gallons of water	Apply as a dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gallons of oil per acre per application

*Do not make more than 5 applications per season  
for example dormant spray and a second spray*

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cherries (con't.)	Brown Mite Eggs, Twig Borers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs		
	Eyespotted Bud Moths, Fruit Tree Leaf- rollers	1 lb. in 100 gallons of water	Apply as infestations occur beginning at petal fall. Repeat application after 7 days if necessary. Do not apply more than 6 lbs. of diazinon per acre per application or make more than 4 applications per season. Do not apply within 10 days of harvest or illegal residues may occur.
	Leafhoppers	1 lb. in 100 gallons of water.	Make 3-4 applications beginning at petal fall and continuing through the growing season as infestations occur. Do not apply more than 6 lbs. of diazi- non per acre per application. Allow 7 days between applica- tions. Do not apply within 10 days of harvest or illegal residues may occur.
	Cherry Fruitflies	1/2-1 lb. in 100 gallons of water	Make 3-4 applications beginning when adult flies begin to emerge and repeating at 10 day intervals. Do not apply more than 6 lbs. of diazinon per acre per application. Do not apply within 10 days of harvest or illegal residues may occur.

*Note: Do not make more than 5 applications per season  
to any crop. Cherries for example, 1 dormant spray,  
2 in bud spray.*

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cherries (con't.)	Black Cherry Aphids	1 lb. in 100 gallons of water	Apply as a cover spray when aphids appear. Repeat application after 10 days if necessary. Do not apply more than 6 lbs. of diazinon per acre per application. Do not apply within 10 days of harvest or illegal residues may occur.
	San Jose Scale Crawlers	1 lb. in 100 gallons of water	Apply during the pre-pink stage or when crawlers first appear. Do not apply more than 6 lbs. of diazinon per acre per application. Do not apply within 10 days of harvest or illegal residues may occur.
	Cherry Rust Mites	1/2-1 lb. in 100 gallons of water	Apply as a single supplemental spray after harvest. Do not apply more than 6 lbs. of diazinon per acre.
Cran- berries	Black- headed Fireworms	4 lbs. in 400 gallons of water	Apply when pest appears. Repeat application after 14 days if necessary. A maximum of 6 applications per season is permitted. Do not apply within 7 days of harvest or illegal residues may occur.
	Cranberry Fruitworms	6 lbs. in 400 gallons of water or 2 1/4 ozs. in 9 1/4 gallons of water per 1,000 square feet	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.
Note: This product may be applied to cranberries through sprinkler irrigation. Refer to the section "Chemigation" for specific chemigation directions for use.			

*Do not make more than 5 applications to any crop of cherries  
or cranberries per season and cover sprays*

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Grapes	Pacific Spider Mites, Leaf-hoppers, Grape Berry Moths, Grape Leaf-folders, Omnivorous Leaf-rollers, Aphids, Mites	1-2 lbs. per acre or 1 lb. in 100 gallons of water (200 gallon maximum per acre)	Apply as a thorough cover spray when pest appears. Repeat application after 7 days if necessary. Do not make more than 5 applications per season. Do not apply within 18 days of harvest or illegal residues may occur.
<i>Spider</i>	<i>Drosophila spp.</i>	6 ozs. per 100 gallons of water (300 gallon maximum per acre)	Apply as a thorough cover spray at 7-day intervals. Do not make more than 5 applications per season. Do not apply within 18 days of harvest if a spreader sticker is used. <u>Drosophila</u> applications may be made up to 7 days before harvest if a spreader-sticker is not used.
Nectarines	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, European Red Mite Eggs, Twig Borers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs	1 lb. + 2-3 gallons of dormant oil or 1-1 1/2 gallons superior type oil in 100 gallons of water	Apply as a dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gallons of oil per acre per application.

*Do not use more than 500 lbs. of oil per season for any crop. For example, use dormant spray and 4 cover sprays*

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Nectarines (con't.)	Aphids, Brown Mites (Clover Mites), Twospotted Spider Mites Olive Scale Crawlers, San Jose Scale Crawlers	1 lb. in 100 gallons of water	Apply as infestations occur. Repeat application after 14 days if necessary. Do not apply more than 6 lbs. of diazinon per acre per application or make more than 4 applications per season. Do not apply within 10 days of harvest, or illegal residues may occur.
	Peach Twig Borers Parlatoria Scale	1 lb. + 1 gallon light medium summer horticultural oil in 100 gallons of water	Apply at petal fall. Do not apply more than 6 lbs. of diazinon or 6 gallons of summer oil per acre per application.
	Olive Scale Crawlers	1/2 lb. + 1 1/2 gallons light medium horticul- tural oil in 100 gallons of water	Apply as insects occur. Do not apply more than 6 lbs. of diazi- non or 6 gallons of summer oil per acre or make more than 4 applications per season. Allow 7 days between applications. Do not apply within 10 days of harvest, or illegal residues may occur.
	Oriental Fruit- moths	1 lb. in 100 gallons of water	Apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult flight. Do not apply more than 6 lbs. of diazinon per acre per season. Do not apply within 10 days of harvest, or illegal residues may occur.
Peaches	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs,	1 lb. + 2-3 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gallons of water	Apply as a dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gallons of oil per acre per application.  <i>Dormant spray</i>

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Peaches (con't.)	Twig Bor- ers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs		
	Aphids, Brown Mites (Clover Mites), Twospotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers	1 lb. in 100 gallons of water	Apply as infestations occur. Repeat application after 14 days if necessary. Do not apply more than 6 lbs. of diazinon per acre per application or make more than 4 applications per season. Do not apply within 20 days of harvest, or illegal residues may occur.
	Peach Twig Borers, Parlatoria Scale	1 lb. + 1 gallon light medium summer horticultural oil in 100 gallons of water	Apply at petal fall. Do not apply more than 6 lbs. of diazi- non or 6 gallons of summer oil per acre.
	Olive Scale Crawlers	1/2 lb. + 1 1/2 gallons light medium horticul- tural oil in 100 gallons of water	Apply as insects occur. Do not apply more than 6 lbs. of diazi- non or 6 gallons of summer oil per acre per application or make more than 4 applications per season. Allow 7 days between applications. Do not apply within 20 days of harvest, or illegal residues may occur.
	Oriental Fruit Moths	1 lb. in 100 gallons of water	Apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult flight. Do not apply more than 6 lbs. of diazinon per acre per season. Do not apply within 20 days of harvest, or illegal residues may occur.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Peaches (con't.)	Peach Twig Borers	1 lb. in 100 gallons of water	Apply as insects occur in May and June. Allow 7 days between applications. Do not apply more than 6 lbs. of diazinon per acre per application or make more than 4 applications per season. Do not apply within 20 days of harvest, or illegal residues may occur.
	Leafhoppers	1 lb. in 100 gallons of water	Make 3-4 applications beginning at petal fall and continuing through the growing season. Allow at least 7 days between applications. Do not apply more than 6 lbs. of diazinon per acre per application. Do not apply within 20 days of harvest, or illegal residues may occur.
	White Peach Scale	1 1/2-2 lbs. in 100 gallons 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.
Pears	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Twig Borers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs	1 lb. + 2-3 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gallons of water	Apply as a dormant spray. Do not apply more than 9 gallons of oil per acre per application or 6 lbs. of diazinon per acre per application.  <i>Do not apply more than 9 gallons of oil per acre per application or 6 lbs. of diazinon per acre per application.</i>

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Pears (con't.)	Pear Psylla	1/2-1 lb. in 100 gallons of water	Apply as a cover spray at pre-pink stage. Make 1-2 additional applications during the first and second cover sprays, if necessary. Do not apply more than 6 lbs. of diazinon per application per acre. Do not apply within 14 days of harvest, or illegal residues may occur.
	Tentiform Leaf- miners, Mealybugs	1 lb. in 100 gallons of water	Apply in three cover sprays, beginning in April. Do not apply more than 6 lbs. of diazinon per application per acre. Do not apply within 14 days of harvest, or illegal residues may occur.
	Codling Moths, Rosy Apple Aphids, Green Apple Aphids, Woolly Apple Aphids, Mites	1 lb. in 100 gallons of water	Make 3 cover sprays beginning as infestations occur. Do not repeat applications closer than 14 days. Do not apply more than 6 lbs. of diazinon per acre per application. Do not apply within 14 days of harvest, or illegal residues may occur.  NOTE: Mites will be suppressed if diazinon is used in this regular cover spray program.
	Apple Maggots	1 lb. in 100 gallons of water	Make 3 cover sprays when flies are active and laying eggs. Do not repeat applications closer than 14 days. Do not apply more than 6 lbs. of diazinon per acre per application. Do not apply within 14 days of harvest, or illegal residues may occur.  NOTE: Diazinon may not control organophosphate-resistant apple maggot.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Pears (con't.)	San Jose Scale Crawlers, Forbes Scale Crawlers	1 lb. in 100 gallons of water	Apply early in the season when crawlers first appear. If infestation warrants, make a second application 14 days later. Do not apply more than 6 lbs. of diazinon per acre per application.
Pineapple	Pineapple Mealybugs	2 lbs. per acre	Apply in 200-500 gallons of water per acre. Repeat applica- tion as necessary every 28 days up to a maximum of 8 applica- tions. Do not apply within 7 days of harvest or illegal residues may occur. Pineapple forage and refuse may not be fed to livestock.
Plums	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Twig Bor- ers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs	1 lb. + 2-3 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gallons of water	Apply as a dormant spray. Do not apply more than 9 gallons of oil per application per acre or 6 lbs. of diazinon. For late April or May applications mix diazinon with 1 gal. of light medium summer horticultural oil per 100 gallons of water.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Plums (con't.)	Brown Mites, Clover Mites, European Red Mites	1 lb. in 100 gallons of water	Apply as needed every 7 days up to a maximum of 4 applications per season. Do not apply more than 6 lbs. of diazinon per acre per application. Do not apply within 10 days of harvest, or illegal residues may occur.
	Leafcurl Plum Aphids, Mealy Plum Aphids, Thistle Aphids	1/2-1 lb. in 100 gallons of water	
Prunes	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Twig Bor- ers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs	1 lb. + 2-3 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gallons of water	Apply as a dormant spray. Do not apply more than 9 gallons of oil per application per acre or 6 lbs. of diazinon. For late April or May applications mix diazinon with 1 gal. of light medium summer horticultural oil per 100 gallons of water.
	Brown Mites, Clover Mites, European Red Mites	1 lb. in 100 gallons of water	Apply as needed every 7 days up to a maximum of 4 applications per season. Do not apply more than 6 lbs. of diazinon per acre per application. Do not apply within 10 days of harvest, or illegal residues may occur.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Prunes (con't.)	Leafcurl Plum Aphids, Mealy Plum Aphids, Thistle Aphids	1/2-1 lb. in 100 gallons of water	
Straw- berries	Aphid <sup>s</sup> Twospotted Spider Mites	1 lb. in 100 gallons of water per acre	Apply as pests occur. Repeat application if necessary after 7 days. Do not make more than 3 applications per season. Do not apply within 5 days of harvest or illegal residues may occur.
	Cyclamen Mites	2 lbs. in 100 gallons of water per acre	Direct spray to the plant crowns. Plants should be suffi- ciently agitated to assure thor- ough 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 resi- dues may occur. Applications may be made to plants after harvest.
	Mole Crickets	2 lbs. per acre	Apply 1-2 days before transplanting and immediately incorporate into the top 1-2 inches of soil.
	Strawberry Leaf- rollers	3/4-1 lb. in 100 gallons of water	Apply 200 gallons of spray per acre when blossoms show color. Do not apply within 5 days of harvest, or illegal residues may occur.
Walnuts (CA only)	Aphids, Mites <i>Colden Mite</i>	2 lbs. per acre	Apply as a foliar spray as needed. Repeat applications in 14 days if necessary. Do not make more than 3 applications per season. Do not apply within 45 days of harvest or after husks open or illegal residues may occur. Make ground applica- tions in a minimum of 100 gal- lons of water per acre.
	Codling Moths, Scale Crawlers, Walnut Cater- pillars	6 lbs. per acre	

Vegetable Crops

For foliar or soil applications, D·z·n® diazinon 50W should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil. D·z·n diazinon 50W may be applied aurally only to certain crops 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 APPLI-CATION	MIN. OR		AIR APPL.	MIN. GPA
		MIN. GPA	PER 1000 SQ. FT.		
Beans (lima, snap, and pole) (succulent only)	Yes	10	2	No	-
Beets, Red (Table)	Yes	10	2	No	-
Broccoli	Yes	10	2	No	-
Brussels Sprouts	Yes	10	2	No	-
Cabbage	Yes	10	2	No	-
Cantaloupes	Yes	5	1	No	-
Carrots	Yes	10	2	No	-
Casabas	Yes	5	1	No	-
Cauliflower	Yes	10	2	No	-
Celery	Yes	10	2	No	-
Chinese Broccoli	Yes	10	2	No	-
Chinese Cabbage	Yes	10	2	No	-
Chinese Mustard	Yes	10	2	No	-
Collards	Yes	10	2	No	-
Crenshaws	Yes	5	1	No	-
Cucumbers	Yes	5	1	No	-
Endive (escarole)	Yes	10	2	No	-
Honeydew Melons	Yes	5	1	No	-
Kale	Yes	10	2	No	-
Lettuce, <i>Head</i>	Yes	10	2	Yes	5
Lima Beans (succulent only)	Yes	10	2	No	-
Muskmelons	Yes	5	1	No	-
Mustard	Yes	10	2	No	-
Onions (green and bulb)	Yes	10	2	No	-
Parsley	Yes	10	2	No	-
Parsnips	Yes	10	2	No	-
Peas (succulent only)	Yes	10	2	No	-
Peppers	Yes	10	2	No	-
Persian Melons	Yes	5	1	No	-
*Potatoes (Irish)	Yes	10	2	No	-
Radish	Yes	10	2	No	-
Red (Table) Beets	Yes	10	2	No	-
Spinach	Yes	10	2	No	-
Summer Squash	Yes	5	1	No	-
Sweet Corn	Yes	20	4	No	-
Sweet Potatoes	Yes	10	2	No	-
Swiss Chard	Yes	10	2	No	-
Tomatoes	Yes	10	2	Yes	5
Turnips	Yes	10	2	No	-
Watermelons	Yes	5	1	No	-
Winter Squash	Yes	5	1	No	-

\*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.

Preharvest Intervals (PHI\*) for Foliar Applications

<u>Crop</u>	<u>*PHI (Days)</u>
Beans (lima, snap, pole)	7
Beets, Red Table	14
Broccoli	5
Brussels Sprouts	7
Cabbage	7
Cantaloupes	3
Carrots	10
Casabas	3
Cauliflower	5
Celery	10
Chinese Broccoli	10
Chinese Cabbage	10
Chinese Mustard	10
Collards	10
Crenshaws	3
Cucumbers	7
Endive	10
Honeydew Melons	3
Kale	10
Lettuce	10
Lima Beans	7
Muskmelons	3
Mustard	10
Onions (green and bulb)	10
Parsnips	10
Peas	0
Peppers	5
Persian Melons	3
Potatoes (Irish)	35
Radish	10
Red (Table)	14
Spinach	10
Summer Squash	7
Sweet Corn	0
Sweet Potatoes	7
Swiss Chard	12
Tomatoes	1
Turnip Tops	10
Watermelons	3
Winter Squash	3

\*PHI - Preharvest interval or the number of days between the last application and harvest.

Pre-

NOTES: 1) Soil Incorporation: Following application of this product to control vegetable soil insects, immediately incorporate the product into the soil to the recommended depth (see TIMING/SPECIAL DIRECTIONS). For control of surface cutworms, incorporate 2-3 inches, for subterranean cutworms incorporate 3-6 inches. 2) To Protect 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.

2150

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Beans (Pole, Snap, or Lima) (succulent only)	Cutworms	4-8 lbs. per Acre or 1 1/2-3 ozs. per 1,000 square feet	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Wireworms	6-8 lbs. per Acre or 2 1/4-3 ozs. per 1,000 square feet	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Black Bean Aphids, Mexican Bean Beetles, Leafminers	1-1 1/2 lbs. per Acre or 2/5-3/5 oz. per 1,000 square feet	Apply as insects occur. Repeat application, as necessary, every 5 days. Do not make more than 3 applications per season. Do not apply within 7 days of harvest or illegal residues may occur.
	Cucumber Beetles	1/2-3/4 lbs. per Acre or 1/5-3/10 oz. per 1,000 square feet	Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.  Make cucumber beetle application in 100 gallons of water per acre.  NOTE: Diazinon will not control organophosphate-resistant leafminers.
	Dipterous Leaf- miners, Leaf- hoppers, Mites	1 lb. per Acre or 1/5 oz. per 1,000 square feet	Apply as pests occur. Repeat application as necessary every 5 days. Do not make more than 3 applications per season. Do not apply within 7 days of harvest or illegal residues may occur.  Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.  NOTE: Diazinon will not control organophosphate-resistant leafminers.

*Dipterous*

*spider*

17.4.50

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Beets, Red (Table)	Root Maggots	Mix 2 lbs. in 50 gals. of water	Apply 80-100 gals. per acre (1-1 1/3 gals. per 1,000 linear feet of row) in the seed furrow at planting time.
	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	2 lbs. per acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds or fields 1-2 days before planting, and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Dipterous Leaf- miners	1/2-1 lb. per Acre or 1/5-2/5 oz. per 1,000 sq. ft.	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.
Broccoli	Root Maggots	4-6 lbs. per Acre or 1 1/2-2 1/4 ozs. per 1,000 sq. ft.	Broadcast just before planting or transplanting and immediately incorporate into the top 3-4 inches of soil.
		4-8 ozs. in 50 gallons of water	In transplant water as a drench application when 200-300 gallons of water are used per acre. Apply 1/2-1 cup (4 to 8 ozs.) 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 treat- ments may result in stand reduc- tion due to plant stress at time of transplanting.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Broccoli (cont'd)	Cutworms	4-8 lbs. per Acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	2 lbs. per Acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds or fields 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per Acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moths, Imported Cabbage- worms, Dipterous Leaf- miners	1/2-1 lb. per Acre or 1/5-2/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications.  Do not apply within 5 days of harvest, or illegal residues may occur.  NOTE: Diazinon will not control organophosphate- resistant leafminers.
Brussels Sprouts	Root Maggots	4-6 lbs. per Acre or 1 1/2-2 1/4 ozs. per 1,000 sq. ft.	Broadcast just before planting or transplanting and immediately incorporate into the top 3-4 inches of soil.
		4-8 ozs. in 50 gallons 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 ozs.) 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 treat- ments may result in stand reduction due to plant stress at time of transplanting.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cabbage (cont'd)	Mole Crickets	2 lbs. per Acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds or fields 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per Acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moths, Imported Cabbage- worms, Dipterous Leaf- miners	1/2-1 lb. per Acre or 1/5-2/5 oz. per 1,000 sq. ft.	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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Carrots	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	2 lbs. per acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds or fields 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Carrot rust fly	4 lbs. per Acre or 1 1/2 ozs. per 1,000 sq. ft.	Apply as a drench <sup>at</sup> to the seed furrow at planting.
	Aphids	1 lb. per Acre or 2/5 oz. per 1,000 sq. ft.	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, or illegal residues may occur.
Cauliflower	Root Maggots	4-6 lbs. per Acre or 1 1/2-2 1/4 ozs. per 1,000 sq. ft.	Broadcast just before planting or transplanting and immediately incorporate into the top 3-4 inches of soil.
		4-8 ozs. in 50 gallons of water	In transplant water as a drench application when 200-300 gallons of water are used per acre. Apply 1/2-1 cup (4 to 8 ozs.) 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.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cauliflower (cont'd)	Cutworms	4-8 lbs. per Acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	2 lbs. per Acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per Acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate in the top 4-8 inches of soil.
	Aphids, Diamondback Moths, Imported Cabbage- worms, Dipterous Leafminers	1/2-1 lb. per Acre or 1/5-2/5 oz. per 1,000 sq. ft.	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.
Celery	Cutworms	4-8 lbs. per Acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Wireworms	6-8 lbs. per Acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Celery (Cont'd)	Aphids, Flea Beetles, Cabbage Loopers	1 lb. per Acre or 2/5 oz. per 1,000 sq. ft.	<p>Mix in 100 gallons of water to spray 1 acre (2 1/4 gallons for 1,000 sq. ft.). 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. Plants should be market trimmed (tops removed) before being shipped or used. Tops should not be used for food or feed.</p>
	Dipterous Leafminers	1/2-1 lb. per Acre or 1/5-2/5 oz. per 1,000 sq. ft.	<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. Plants should be market trimmed (tops removed) before being shipped or used. Tops should not be used for food or feed.</p> <p>NOTE: Diazinon will not control organophosphate-resistant leafminers.</p>
Chinese Broccoli	Aphids, Diamondback Moths, Imported Cabbage- worms, Dipterous Leaf- miners	1/2-1 lb. per Acre or 1/5-2/5 oz. per 1,000 sq. ft.	<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 or illegal residues may occur.</p> <p>NOTE: Diazinon will not control organophosphate-resistant leafminers.</p>

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Chinese Cabbage (Bok Choy and Napa)	Aphids, Diamondback Moths, Imported Cabbage-worms, Dipterous Leaf-miners	1/2-1 lb. per Acre or 1/5-2/5 oz. per 1,000 sq. ft.	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 or illegal residues may occur.  NOTE: Diazinon will not control organophosphate-resistant leafminers.
Chinese Mustard (Gai Choy)	Aphids, Diamondback Moths, Imported Cabbage-worms, Dipterous Leafminers	1/2-1 lb. per Acre or 1/5-2/5 oz. per 1,000 sq. ft.	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 or illegal residues may occur.  NOTE: Diazinon will not control organophosphate-resistant leafminers.
Collards	Cutworms	4-8 lbs. per Acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	2 lbs. per Acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Collards (cont'd)	Wireworms	6-8 lbs. per Acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moths, Imported Cabbage- worms, Harlequin Cabbage- bugs, Corn Earworms	1/2-1 lb. per Acre or 1/5-2/5 oz. per 1,000 sq. ft.	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 or illegal residues may occur.
Cucumber	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorpora- tion Note.)
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Serpentine Leaf- miners, Thrips, Striped Cucumber Beetles, Melonworms	1 lb. per acre or 2/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 7 days of harvest or illegal residues may occur.  NOTE: Diazinon will not control organophosphate-resistant leafminers.
Endive (Escarole)	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorpora- tion Note.)
	Mole Crickets	2 lbs. per acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds or fields 1-2 days before planting or transplanting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate 4-8 inches into soil.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Endive (Escarole) (Cont'd)	Aphids, Dipterous Leaf- miners	1/2-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft.	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.
Kale	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	2 lbs. per acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moths, Imported Cabbage- worms, Harlequin Cabbage- bugs, Corn Earworms	1/2-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as necessary, up to 5 times, a minimum of 7 days between applications.  Do not apply within 10 days of harvest or illegal residues may occur.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Lettuce	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	2 lbs. per acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Dipterous Leaf- miners	1/2-1 lb. per acre or 3/16-3/8 oz. per 1,000 sq. ft.	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.
Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Musk- melons, Persians, & Hybrids of these) and Watermelons	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Leaf- miners, Thrips, Striped Cucumber Beetles, Melon- worms, Leaf- hoppers, Mites	1/2-1 1/2 lbs. per acre or 1/5-3/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 3 days of harvest or illegal residues may occur.  NOTE: Diazinon will not control organophosphate-resistant leafminers.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Mustard	Root Maggots	4-6 lbs. per acre	Broadcast before seeding, either in the seedbed or in the field or before transplanting and immediately incorporate into the soil 3-4 inches.
		1/4-1/2 lb. in 50 gallons of water	In transplant water as a drench application mix in 50 gallons of water when 200-300 gallons of water are used per acre. May be applied at 1/2-1 cupful per plant, either by hand or 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.
	Mole Crickets	2 lbs. per acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Dipterous Leaf- miners, Diamondback Moths, Imported Cabbage- worms	1/2-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft.	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.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Onions (green and bulb)	Onion maggots	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	<p><del>Broadcast application:</del> Broadcast just before planting and mix into the top 3-4 inches of soil by disking, harrowing, or other suitable means.</p> <p>NOTE: Diazinon will not control organophosphate-resistant onion maggots.</p>
		2 lbs. per acre or 3/4 oz. per 1,000 sq. ft.	<p><del>Furrow application:</del> At planting, apply diazinon in sufficient water to drench the seed furrow <i>water after planting. see me</i></p> <p>NOTE: Diazinon will not control organophosphate-resistant onion maggots.</p>
	Onion thrips	1 lb. per acre or 3/8 oz. per 1,000 sq. ft.	<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 10 days of harvest or illegal residues may occur.</p>
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
Parsley	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Parsnips	Aphids, Flea Beetles, Dipterous Leaf- miners	1/2-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft.	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 or illegal residues may occur.  NOTE: Diazinon will not control organophosphate-resistant leafminers.
Peas (succulent only)	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Aphids, Leafminers	3/4-1 lb. per acre or 3/10-2/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as necessary, every 5 days. Do not make more than 3 applications per season. Peas may be picked immediately after application.  Vines and hay may be fed to dairy and beef cattle and sheep. To avoid illegal residues, wait 4 days following treatment if forage is to be cut for hay.  NOTE: Diazinon will not control organophosphate-resistant leafminers.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Peppers	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	2 lbs. per acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Serpentine Leaf- miners	1/2 lb. per acre or 1/5 oz. per 1,000 sq. ft.	Apply as insects appear. 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.
Potatoes	Cutworms (Surface & Subter- anean)	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Southern Potato Wireworms (South- eastern U.S.)	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	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.

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

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Potatoes (cont'd)	Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leaf- miners	1/2-3/4 lb. per acre or 2/10-3/10 oz. per 1,000 sq. ft.	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, Leaf- hoppers Southern Armyworms	3/4-1 lb. per acre or 3/10-4/10 oz. per 1,000 sq. ft.	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.
Radish	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	2 lbs. per acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds or fields 1-2 days before planting and immediately incorporate in the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Flea Beetles, Dipterous Leafminers	1/2-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft.	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 or illegal residues may occur.  NOTE: Diazinon will not control organophosphate-resistant leafminers.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Spinach	Aphids, Dipterous Leaf- miners	1/2-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft.	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.
Squash, Summer	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Leaf- miners, Thrips, Striped Cucumber Beetles, Melonworms, Leaf- hoppers, Mites  <i>spider</i>	1/2-1 1/2 lbs. per acre or 1/5-3/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 7 days of harvest or illegal residues may occur.  NOTE: Diazinon will not control organophosphate-resistant leafminers.
Squash, Winter	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Squash, Winter (cont'd)	Aphids, Leaf- miners, Thrips, Striped Cucumber Beetles, Melonworms, Leaf- hoppers, Mites	1/2-1 1/2 lbs. per acre or 1/5-3/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 3 days of harvest or illegal residues may occur.  NOTE: Diazinon will not control organophosphate-resistant leafminers.
Sweet Corn	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Seed Corn Maggots	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Corn Earworms	2-2 1/2 lbs. per acre or 3/4-1 oz. per 1,000 sq. ft.	Apply when silks first appear. Repeat application every 7 days up to a maximum of 5 applications, if necessary. Corn may be picked immediately following last application.  Forage may be fed to beef and dairy cattle and sheep.
	Corn Leaf Aphids	1-2 lbs. per acre or 2/5-3/4 oz. per 1,000 sq. ft.	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. Corn may be picked immediately following last application.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Sweet Corn (Cont'd)	Grass-hoppers, Mites, Fleabeetles	1 lb. per acre or 2/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat if necessary, but do not make more than 5 applications per season.  Corn may be picked immediately following last application.  Forage may be fed to beef and dairy cattle and sheep.
	Sap Beetles	2-2 1/2 lbs. per acre or 3/4-1 oz. per 1,000 sq. ft.	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.  Corn may be picked immediately following last application.  Forage may be fed to beef and dairy cattle and sheep.
Sweet Potatoes	Wireworms, Flea Beetles	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
Swiss Chard	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Corn Earworms, Imported Cabbage-worms, Diamondback Moths, Harlequin Cabbage-bugs	1/2-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications.  Do not apply within 12 days of harvest or illegal residues may occur.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Tomatoes	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
	Mole Crickets	2 lbs. per acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Dipterous Leafminers	1/2 lb. per acre or 1/5 oz. per 1,000 sq. ft.	Apply as insects appear. Repeat application after 7 days, if necessary. Do not make more than 5 applications per season. Do not apply within one day of
	Banded Cucumber Beetles, Fall Army- worms, Southern Armyworms, Beet Army- worms	3/4-1 lb. per acre or 3/10-2/5 oz. per 1,000 sq. ft.	harvest or illegal residues may occur.
	Vinegar Flies ( <u>Droso- phila</u> spp.)	1/2-1 1/2 lbs. per acre or 1/5-3/5 oz. per 1,000 sq. ft.	
Turnips and Turnip Tops	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note).

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Pre-

Preharvest Intervals (PHI\*) For Foliar Applications

<u>Crop</u>	<u>*PHI</u>
Hops	14
Sugar Beets	7

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

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Turnips and Turnip Tops (cont)	Mole Crickets	2 lbs. per acre or 3/4 oz. per 1,000 sq. ft.	Apply to plant beds or fields 1-2 days before planting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2 1/4-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Flea Beetles, Dipterous Leafminers	1/2-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft.	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 or illegal residues may occur.  NOTE: Diazinon will not control organophosphate-resistant leafminers.

Mushroom Houses

Mushroom flies (Phorids and Sciarids):

Mix 8 lbs. of D·z·n diazinon 50W in 50 gallons of water and spray on outside and inside walls and ventilators of mushroom houses after compost has been pasteurized by heating. Note: Do not spray the compost in the beds or after spawning.

To treat wooden sides of beds, post, doors, and door frames after pasteurizing, mix 1/2 lb. in 6 gallons of water and apply with a brush. Note: Do not apply this treatment after spawning. Do not treat compost.

Seed Treatment - Planter Box Treatment

In the planter box, mix with seed as a dry mixture. Stir slightly using a mixing stick. DO NOT MIX WITH BARE HANDS. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seed beyond planting time. Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of excess treated seed by burial away from bodies of water.

NOTE: 1) If seed has not been treated with a fungicide, use an EPA-registered fungicide combination with D·z·n diazinon 50W at rates indicated on the fungicide package. Failure to use a fungicide may result in injury to the seed. 2) If the seed treatment increases the friction between seeds sufficiently to reduce the rate of delivery through the planter, 1/2 oz. of graphite per bushel seed should be added as a drill lubricant. Adjust the planter to give the required rate of seed delivery with the treated seed. 4) Treated seed must not be used for or mixed with food or animal feed or processed for oil.

Corn

Seedcorn beetle: Mix 3 ozs. per bushel of seed.

Corn, Succulent Peas and Succulent Beans:

Seedcorn maggot: Mix 1/2 oz. per bushel of seed.

Field Crops

Apply soil and foliar applications of D·z·n® diazinon 50W in sufficient water to ensure thorough coverage for foliar applications. Observe stated time intervals between last application and harvest, as well as intervals between applications and total number of applications that can be made per season:

corn  
graphite  
6/1  
seed  
treated  
disposal  
water

P. 1-10

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Hops	Aphids, Mites	2 lbs. per Acre	Apply as pests occur. Repeat applications, if necessary in 14 days. Do not make more than 5 applications or apply within 14 days of harvest or illegal residues may occur.
Sugar Beets	Wireworms	6-8 lbs. per Acre	Broadcast just before planting and immediately incorporate into the top 4-6 inches of soil.  Do not apply more than 8 lbs. of this product to the soil, per season.  Tops may be fed to beef and dairy animals.
	Beet Leaf- hoppers, Dipterous Leaf- miners, Aphids	3/4-1 lb. 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.  NOTE: Diazinon will not control organophosphate-resistant leafminers.
	Grass- hoppers	1 lb. 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.

Grassland Insects

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

Grasshoppers: Apply 3/4-1 lb. per acre in sufficient water or oil to obtain thorough coverage when insects first appear, preferably in the nymphal stage.

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

Livestock Insects

Sheep "Ticks" (Keds), Lice

High gallonage, high pressure spray: Mix 1/2 lb. in 100 gals. of water, and apply at the rate of 1 gal. per animal.

Low gallonage, low pressure spray: Mix 1 lb. in 100 gals. of water. Apply at the rate of 1 qt. per animal.

Sprinkler Can: Mix 1 oz. in 6 gals. of water. Crowd sheep into a small pen and sprinkle 1 qt. of this mixture over the head, neck, top, and side of each sheep. Stir or agitate mixture frequently.

Note: Do not slaughter sheep within 14 days after treatment. Repeat applications as necessary.

Ornamental Insects of Ornamentals

To control certain insects on ornamentals, such as Arborvitae, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Douglas fir, Elm, Gladioli, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce, and Willow, apply the recommended rates indicated below:

*Apply spray under side of leaves and in dense foliage.*

Insects	Amount of D·z·n diazinon 50W to Use	
	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 leaftiers, Privet mites, Scale crawlers (Cottony cushion, Lecanium, Pine needle, San Jose, Soft scale), Thrips, Twospotted mites, <i>spider</i> Webworms, Whiteflies	1/2 oz.	1 lb.
Apple-and-thorn skeletonizers, Cotoneaster webworms, Fall webworms, Hemlock chermes, Oak loopers, Obliquebanded leafrollers, Pear slugs, Tent caterpillars	1 1/2 ozs.	3 lbs.

*San Jose*

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

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

Lawn Pest Control (Excluding Sod Farms and Golf Courses)

To control pests listed below, apply recommended rates. For pests, such as Ants, Brown dog ticks, Clover mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Springtails (Collembola), which are commonly found near the house and may enter the house, spray a 5 ft. band of soil around the house as well as the house foundation wall to a height of 2-3 ft. Repeat application if necessary.

Precautions: Birds, especially waterfowl feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds. Avoid overlapping sprays. If waterfowl, i.e., ducks, geese can be expected to enter treated area after treatment (except spot treatments), water lawn with at least 0.25 inch water immediately after application, however, stop irrigation before puddling occurs.

Pests	Rate/1,000 sq. ft.		Remarks
	D·z·n diazinon 50W	Water	
Lawn chinch bugs	2-3 ozs.	3 gals.	Use higher rate for longer residual control and in turf-grass of dense growth, such as St. Augustine.
Ants, Armyworms, Clover mites, Springtails (Collembola), Crickets, Cutworms, Digger wasps, Earwigs, Frit flies, Lawn billbugs, Sod webworms (Lawn moths), Sowbugs	3 ozs.	3 gals.	Spot spray ant hills and wasp ground nest openings.  For frit flies, mow grass and water well before treatment, but delay application until grass is dry.

Continued ...

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Brown dog ticks, <del>Bermudagrass mites,</del> Chiggers, Fleas, Leafhoppers	1 1/4 ozs. 3ozs.	3 gals.	Do not apply to animals.  For brown dog ticks, spray grass and under shrubbery. For digger wasps, apply product at dusk when wasps are not active.
Millipedes	3 ozs.	3 gals.	
Rhodesgrass scales	3 ozs.	3 gals.	Apply when crawlers first emerge.

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Boxelder bugs: Spray bugs outside the home with 1 1/2-2 1/2 oz. in 1 gal. of water. At the same time, spray thoroughly around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

Fly Control

Fly control in barns and animal sleeping quarters (except dairy barns, milk rooms, and poultry houses).

*insert*

Residual Sprays: Remove animals from buildings, <sup>corrals</sup> prior to treatment and keep animals out for at least four hours. Mix 2 lbs. of D·z·n diazinon 50W in 25 gals. of water and apply as an overall spray to ceilings and walls of livestock sheds, calf barns, hog barns, loafing sheds, and other farm buildings except poultry houses, dairy barns, and milk rooms. Areas where flies congregate, such as garbage dumps and corrals, should be sprayed thoroughly. Longer residual control may be obtained by increasing the rate to 4 lbs. in 25 gals. of water. Applications should be made to point of runoff. One gal. of the above spray should cover from 350-750 sq. ft. of area, depending on the surface treated. Repeat applications as fly populations warrant.

Bait Sprays: Mix the appropriate amount of D·z·n diazinon 50W with 1 lb. of sugar (or 2 cups of syrup or molasses) for the desired application.

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W. H. S. 1951

## Nuisance Pests in Outside Areas

Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sow bugs (pillbugs), Spiders, Springtails (Collembola).

Mix 3 ~~tablespoons~~ <sup>teaspoons</sup> in 3 gallons of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls and ceilings, entranceways, warts, 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 bait around the house next to the foundation and spray the foundation of the house to a height of 2-3 ft. Repeat as necessary.

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2  
White Grubs (such as Japanese Beetle Larvae, European Chafer, Southern Chafer): Apply 3 fl. ozs. per 1,000 sq. ft. of lawn. For grub control make application any time between late July and early October.

Hyperodes Weevil: Apply 3 fl. ozs. per 1,000 sq. ft. of grass. Treat problem areas in mid-April and again in mid-May.

For knapsack or similar type sprayer, mix 1/2 lb. with the sugar in 2 1/2 gals. of water and spot treat areas frequented by flies including cracks, crevices, doorways, around windows, or other areas where flies congregate. Repeat applications as fly populations warrant.

For sprinkling can application, mix 2 ozs. with the sugar in 5 gals. of water and sprinkle lightly over the floor in areas frequented by flies. Applications every day or two will generally be required.

Do not contaminate milk, feed, drinking water, or apply to animals or poultry. Do not use in edible product areas of food processing plants or other areas where food is commercially prepared or processed. Do not use in dwellings.

#### 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:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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.

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Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING

May be fatal if swallowed. May be absorbed through skin. Do not breathe dust or spray mist. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling and before eating or smoking. Avoid contamination of food and feed. Keep out of reach of domestic animals. Do not use on humans or pets. Do not contaminate ornamental fish ponds. Do not permit children or pets to go onto sprayed grass until spray has completely dried. For foliar application to agricultural crops whose culture involves hand labor, there is a 24-hour re-entry period (see Re-entry Statement.) *Be sure to read and follow "Work Safety Rules" appearing in this booklet.*

Statement of Practical Treatment

- If swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.
- If inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.
- If on skin: Remove contaminated clothing and wash affected areas thoroughly with soap and water.
- If in eyes: Flush eyes with plenty of water. Call a physician if irritation develops or persists.

Note to Physician: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal but only in conjunction with atropine.

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

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Revised 1/11/90 - referred to  
chemig. directions in dfu's for  
cranberries and revised Env.  
Hazards per EPA letter of 12/4/89.

(LABELS-D.4 - DZNSOW/B/F1)

*Revised 1/11/90 per EPA  
letter of 2/12/90*