

DEC 18 1990

Ms. Carolyn Bussey
Ciba-Geigy Corporation
P.O. Box 18300
Greensboro, NC 27419-8300

Dear Ms. Bussey:

Subject: Amendment - Revise per Agency letters dated
September 12 and October 9, 1990
D.z.n diazinon 50W
EPA Reg. No. 100-460
Your submission dated November 28, 1990

The labeling referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable and a stamped copy of the label is enclosed for your records. The following revisions should be made to the booklet when preparing the actual finished labeling:

Container Label

- 1) In accordance with 40 CFR 156.10(i)(2)(x)(C), limitations regarding use on specific crops or in certain areas must appear in the Directions for Use. Accordingly, relocate either the entire "General Information" heading and its associated text, or at a minimum just the last two paragraphs of the current text (i.e., the aerial application and the greenhouse crops limitations), to appear in the Directions for Use, immediately after the paragraph that begins "FAILURE TO FOLLOW". [NOTE: You have used the correct format on your latest label submission for D.z.n Lawn & Garden Insect Control, EPA Reg. No. 100-456.]
- 2) In the list of registered uses on page 5, you may want to bring certain items into agreement with your booklet label. Specifically, the alphabetical listing of bean types would be "(lima, pole, snap)", the alphabetical listing of the state limitations for caneberries (for the general crop category and each of the specifically named types) would be "(CA, OR, WA)", and the entry for endive would read "Endive (Escarole)". For the crops "Chinese Broccoli", "Chinese Cabbage", and "Chinese Mustard", the second part of each crop name is capitalized in the booklet but is in lower case in this table. Add an

asterisk after the entry for "Fly Control in barns and animal sleeping quarters" to refer down to a footnote that reads "* except dairy barns, milk rooms, and poultry houses". For "Potatoes" and its associated footnote, a double asterisk will then be necessary.

Booklet Label

- 1) In the ingredients statement, correct the alignment of the percentages.
- 2) In accordance with 40 CFR 156.10(i)(2)(x)(C), limitations regarding use on specific crops or in certain areas must appear in the Directions for Use. Accordingly, the "General Information" heading and associated text should be relocated to appear in the Directions for Use, immediately after the paragraph that begins "FAILURE TO FOLLOW". (You have used the correct format on your latest label submission for D.z.n Lawn & Garden Insect Control, EPA Reg. No. 100-456.) Alternatively, you could relocate just the last two paragraphs of the of the current text (i.e., the aerial application and the greenhouse crops limitations) to the specified location in the beginning of the Directions for Use.
- 3) In addition to the reformatting indicated in item "2" above, the "Work Safety Rules", "Personal Protective Equipment", and "Re-entry Statement" should all appear before the "Chemigation" directions (after the "General Information"), since even this use involves handling the pesticide and potential exposure to the treated crop.
- 4) At the beginning of the Fruit and Nut Crops directions, there are several sentences under the minimum gallonage table which the Agency finds confusing because they apparently contradict the specific directions for use, i.e., they apparently direct the user to apply 3 to 6 times the amount of pesticide specified for a given crop. The following revision which involves consolidating the text from before and after the table, as well as attempted clarification (based on the Agency's interpretation of your current text), is suggested. Delete the first paragraph from the top of page 8 and replace the text that currently appears immediately after the heading "Fruit and Nut Crops" on page 7 with the following:

D.z.n diazinon 50W may be applied using ground or aerial equipment as specified in the table below. This table also indicates the minimum amount of water that can be used for the various methods of application. The rate of D.z.n diazinon 50W for aerial spray or concentrated spray applied by ground equipment is based on a dilute full cover spray

applied with conventional ground equipment at a rate of 300-600 gallons of water per acre. The specific amount of product to be used appears under the separate directions for use for each crop (Note: "lbs." or "lbs. of diazinon." in the directions means pounds of this product not pounds of active ingredient). If the "Rate" calls for 1 lb. of diazinon 50W per 100 gallons of water, this amounts to 3-6 lbs. of product per acre when applied at the usual dilute ground spray volumes of 300-600 gallons of water per acre. In no case should the amount of product used per acre exceed the maximum amount per acre per application that is specified in the Timing/Special Directions for individual crops.

- 5) For the crop "Almonds", revise the pest "Mites" back to "Spider Mites", as had appeared on the last accepted label. Is only a single dormant spray applied? If so, revise the first sentence of the "Timing/Special Directions" to read "Apply as a single dormant spray.", and delete "per application" from the second sentence.
- 6) For the crop " Apples", for the pest group "Coddling Moths, etc.", revise the pest "Mites" back to "Spider Mites", as had appeared on the last accepted label. Also, should the "Timing/Special Directions" include the limitation "Do not apply more than 6 lbs. of diazinon per acre per application"?
- 7) Revise "Twospotted Spider Mites" to "Two-spotted Spider Mites" (as on your D.z.n Lawn & Garden Insect Control label) wherever this pest name appears (i.e., for the crops: apricots, caneberries, nectarines, peaches, and strawberries).
- 8) For the crop "Caneberries", revise the "Rate" column entry for the "Leafhoppers, etc." pest group to appear as indicated in your cover letter or, "2 lbs. per acre in a minimum of 100 gals. of water (200 gals. of water maximum). Also for this same crop, in the "Timing/Special Directions" column for the pest "Raspberry Crown Borers", capitalize the "S" of "Spring". Your cover letter indicates that you have deleted the statement regarding the minimum gallons per acre from the "Timing/Special Directions" for this crop, but the submitted label has this repetition deleted only from the directions for the first pest grouping. It still appears for the other two pest groups.
- 9) For the crop "Cherries", is only a single dormant spray applied? If so, revise the first sentence of the "Timing/Special Directions" to read "Apply as a single dormant spray.", and delete "per application" from the second sentence. For the pest "Cherry Rust Mites", revise the first

sentence of the "Timing/Special Directions" to read "Apply as a single supplemental spray to trees after harvest.", as had appeared on the last accepted label.

- 10) For the crop "Cranberries", are the rates 4 (or 6) lbs. in 400 gallons of water per acre? The treatment area is not specified in the "Rate" for either pest.
- 11) For the crop "Grapes", revise the pest name "Mites" back to "Spider Mites", as had appeared on the last accepted label. Also, revise the first "Rate" entry to read "1-2 lbs. per acre in a minimum of 100 gals. of water (200 gals. of water maximum)", and revise the second "Rate" entry to read "6 ozs. per acre in a minimum of 100 gals. of water (300 gals. of water maximum)
- 12) For the crop "Nectarines", is only a single dormant spray applied? If so, revise the first sentence of the "Timing/Special Directions" to read "Apply as a single dormant spray." and delete "per application" from the second sentence. For the third pest grouping, add a comma after "Peach Twig Borers" and delete "application" ["per" is already missing] from the "Timing/Special Directions", since there is presumably only a single application made at petal fall. For the pest "Olive Scale Crawlers", revise the "Timing Special/Directions" by adding "per application." after "per acre" (presumably you do not intend the limit to be 6 pounds of product per acre per season). The 4 applications per season limit should appear as a separate sentence (as it does for other crops). Also, capitalize the first word of the last sentence in this same section.
- 13) For the crop "Peaches", is only a single dormant spray applied? If so, revise the first sentence of the "Timing/Special Directions" to read "Apply as a single dormant spray.", and delete "per application" from the second sentence. For the pest "Olive Scale Crawlers", revise the "Timing Special/Directions" by adding "per application." after "per acre" (presumably you do not intend the limit to be 6 pounds of product per acre per season). The 4 applications per season limit should appear as a separate sentence. For "Oriental Fruit Moths" should the "Timing/Special Directions" indicate a limit of 6 lbs. per acre per season total for the recommended 3 applications, or did you mean to say 3 applications, each with a limit of 6 lbs. per acre per application?
- 14) For the crop "Pears", is there only a single dormant spray? If so, revise the "Timing/Special Directions" to read "Apply

as a single dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gals. of oil per acre.". Also for this crop, revise the "Pear Psylla" and "Tentiform Leafminer" directions to indicate 6 lbs. of diazinon per acre per application (the word order that is used for all other crops). In the "Codling Moth, etc" pest grouping, specify the type of mites, presumably Spider Mites.

- 15) For the crop "Pineapple" the gallonage should be relocated to appear in the "Rate" column. This entry would then read "2 lbs. per acre in 200-500 gals. of water".
- 16) For the crops "Plums" and "Prunes", is there only a single dormant spray? If so, revise the "Timing/Special Directions" to read "Apply as a single dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gals. of oil per acre. If applied in late April or May, mix diazinon with 1 gal. of light medium summer horticultural oil per 100 gals. of water.".
- 17) For the crop "Walnuts", revise the pest "Mites" back to "Spider Mites", as had appeared on the last accepted label.
- 18) In the minimum gallonage table for application to vegetable crops, relocate the "OR" to appear more centered between the two columns (currently it looks like "MIN OR GPA"). Also, although diazinon may presumably be use on both leaf and head lettuce if application is made by ground equipment, the use of aerial application is limited to head lettuce, not just "lettuce".
- 19) Indicate suitable soil incorporation techniques in the "NOTES" for "Soil Incorporation" on page 31 (as you have done for the latest D.z.n diazinon 14G label). Specifically, add the following to the end of the first sentence immediately after the closing parenthesis mark: "using a rotary hoe, cultivator, disk, harrow, or other suitable means".
- 20) For the crop "Beans", specify the type of mites, presumably Spider Mites.
- 21) For the crop "Melons", revise the pest "Mites" back to "Spider Mites", as had appeared on the last accepted label.
- 22) For the crop "Onions", delete "by disking, harrowing, or other suitable means", since this same information will appear on page 31 in the "NOTES: Soil Incorporation" for all crops (see item 19, above).

- 23) For the crops "Squash, Summer" and "Squash, Winter", revise the pest "Mites" back to "Spider Mites", as had appeared on the last accepted label.
- 24) For the crop "Sweet Corn", revise the pest "Mites" back to "Spider Mites", as had appeared on the last accepted label.
- 25) In the "NOTE" under "Seed Treatment - Planter Box Treatment", revise the middle of the first sentence to read "fungicide in combination with D.z.n diazinon 50W".
- 26) For the crop "Hops", revise the pest "Mites" back to "Spider Mites", as had appeared on the last accepted label.
- 27) For "Fly Control in Livestock Structures", in the first sentence after the subheading "Residual Sprays" add "or corrals" after "buildings", as had appeared on the last accepted label.
- 28) In the list of plants under the heading "Insect Control on Ornamentals" revise "Plum" back to "Ornamental Plum", as had appeared on the last accepted label. Also, read "Try to spray underside of leaves and penetrate dense foliage." as the last sentence of this introductory paragraph. In the table under this paragraph, add a comma between the closing parenthesis mark following the scale crawler names and "Thrips". Also in this same listing, revise "Twospotted Spider Mites" to "Two-spotted Spider Mites".
- 29) Under the heading "Lawn Pest Control", delete the sentence "For pests if necessary." You had deleted this text several versions of this label ago and replaced it with an updated "Nuisance Pests in Outside Areas" section.
- 30) In the "Precautions" under "Lawn Pest Control", revise the end of the fourth sentence to read "... birds and waterfowl.". In the sixth sentence of this same section, delete "or" that follows "area after treatment".
- 31) In the "Nuisance Pests in Outside Areas" directions, consider consolidating the third paragraph into the second paragraph (after "where insects can hide."), since the prohibitions about use on animals and plants also pertain to the band and foundation treatment.

The labeling must bear the correct signal word and associated precautionary text based upon the product specific toxicology data required under the Diazinon Registration Standard. The Agency

) understands that you are not changing the signal word and precautionary statements at this time, since the toxicology data base for this product is not complete, pending submission of an acceptable acute inhalation study, and that further revisions may be required when the Agency receives and reviews the required acute inhalation study. It is further understood that you expect to have the inhalation study issue resolved in 1991 prior to the August 1991 release for shipment deadline required under the Diazinon Registration Standard and that all required revisions, including revised signal word and precautionary text (as necessary) will be incorporated into the labeling prior to the August 1991 release for shipment deadline. As you are aware, your customers are attempting to follow your labels. Failure to rapidly finalize your labels will result in your customers being in the potential situation of printing supplies of labels with unsupported uses, incorrect signal words and/or inaccurate precautionary text based on a recently accepted, but now obsolete, Ciba-Geigy label. Since the Agency must review or re-review submitted labels using your master label at a given time, both the Agency and your customers will benefit from your finalizing all outstanding toxicology and labeling issues for your diazinon products, especially those products involving a change in signal word.

Sincerely yours,

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George T. LaRocca
Product Manager (15)
Insecticide Rodenticide Branch
Registration Division (H7505C)

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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

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

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

Active Ingredient:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-
methyl-4-pyrimidinyl) phosphorothioate 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 la etiqueta haya sido explicado ampliamente.

See additional precautionary statements
and directions for use inside booklet.

EPA Reg. No. 100-460

CIBA-GEIGY

[GANNONC.LABELD]DZN50WBF1 - 11/21/90

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 18 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 Fit, Use 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

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.

Do not use on food crops grown in greenhouses.

DIRECTIONS FOR USE

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

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND 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.

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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.)

In vegetables, fruit trees, or field crops, written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must inform workers of areas or fields that may not be entered without specific personal protective equipment for 24 hours after application, and appropriate actions to take in case of accidental exposure, as described under Statement of Practical Treatment in the Precautionary Statements on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: WARNING. Area treated with 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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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	100	
Boysenberries**	No	--	Yes	100	
Cherries	Yes	20	Yes	100	20
Cranberries	No	--	Yes	400	
Dewberries**	No	--	Yes	100	
Grapes	No	--	Yes	100	
Loganberries**	No	--	Yes	100	
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
Prunes	Yes	20	Yes	100	20
Raspberries**	No	--	Yes	100	
Strawberries	No	--	Yes	100	
Walnuts*	Yes	20	Yes	100	20

*CA only

**CA, OR or WA only

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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	No. of Applications Permitted Per Season
Almonds	45	5
Apples	14	8
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	8
Pineapple	7	8
Plums, Prunes	10	5
Raspberries	7	5
Strawberries	5	5
Walnuts	45	3

*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.

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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 gals. of water	Apply as a dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gals. of oil per acre per application.
	Mites, Twig Borers	1-1 1/2 lbs. in 100 gals. 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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Apples	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 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gals. of water	Apply as a dormant or delayed dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gals. of oil per acre per application.
	Leafhoppers	1 lb. in 100 gals. 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 residues may occur.
	Eyespotted Bud Moths, Fruit Tree Leaf-rollers, Mealybugs	1 lb. in 100 gals. 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 application. Do not apply within 14 days of harvest or illegal residues may occur.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Apples (Cont'd)	Codling Moths, Rosy Apple Aphids, Green Apple Aphids, Wooly Apple Aphids, Mites	1 lb. in 100 gals. of water	Make 3 cover sprays begin- ning when infestations occur. Do not repeat applications closer than 14 days. Do not apply within 14 days of harvest or ille- gal residues may occur. NOTE: Mites will be sup- pressed if diazinon is used in the regular cover spray program. Slight russeting may occur on some varieties of apples such as Golden Delicious.
	Apple Maggots	1 lb. in 100 gals. of water	Make 3 cover sprays when flies are active and laying eggs. Do not repeat appli- cations 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 maggots.
	San Jose Scale Crawlers, Forbes Scale Crawlers	1 lb. in 100 gals. 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.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Apricots	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 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gals. of water	Apply as a dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gals. of oil per acre per application.
	Aphids, Brown Mites (Clover Mites), Twospotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers	1 lb. in 100 gals. 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 horticultural oil in 100 gals. 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.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Apricots (Cont'd)	Apricot Mealybugs	1 lb. in 100 gals. 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 resi- dues may occur.
Caneberries (CA, OR and WA only (Black- berries, Boysen- berries, Dew- berries, Logan- berries, Rasp- berries)	Leafhoppers, Thrips, Aphids, Twospotted Spider Mites, Raspberry Fruitworms	2 lbs. per acre in a minimum of 100 gals. of water per acre (200 gals. per acre maximum)	Apply as insects occur. Repeat application after 14 days if necessary. Do not make more than 5 appli- cations per season. Do not apply within 7 days of har- vest or illegal residues may occur. For raspberry fruitworm 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 gals. 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 devel- oped but still closed. Apply in a minimum of 100 gals. of water per acre.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Caneberries (Cont'd)	Raspberry Crown Borers (Raspberry Root Borer)	4 lbs. per acre in a minimum of 100 gals. of water	Apply as a drench to the crown and lower canes in the spring before buds break. Apply in a minimum of 100 gals. of water per acre.
Cherries	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 1/4 lbs. + 3 gals. dormant oil or 1-1 1/2 gals. superior type oil in 100 gals. of water	Apply as a dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gals. of oil per acre per application.
	Eyespotted Bud Moths, Fruit Tree Leafrollers	1 lb. in 100 gals. 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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cherries (Cont'd)	Leafhoppers	1 lb. in 100 gals. 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 diazinon per acre per application. Allow 7 days between applications. Do not apply within 10 days of harvest or illegal residues may occur.
	Cherry Fruitflies	1/2-1 lb. in 100 gals. 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.
	Black Cherry Aphids	1 lb. in 100 gals. 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 gals. 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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cherries (Cont'd)	Cherry Rust Mites	1/2-1 lb. in 100 gals. of water	Apply as a single supple- mental spray after harvest. Do not apply more than 6 lbs. of diazinon per acre.
Cranberries	Blackheaded Fireworms	4 lbs. in 400 gals. of water	Apply when pest appears. Repeat application after 14 days if necessary. A maxi- mum 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 gals. of water or 2 1/4 ozs. in 9 1/4 gals. of water per 1,000 sq. ft.	Apply when pest appears. Repeat application after 14 days if necessary. A maxi- mum 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.		
Grapes	Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaf- folders, Omnivorous Leafrollers, Aphids, Mites	1-2 lbs. in a mini- mum of 100 gals. of water (200 gals. of water 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 applica- tions per season. Do not apply within 18 days of harvest or illegal residues may occur.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Grapes (Cont'd)	<u>Drosophila</u> spp.	6 ozs. per 100 gals. of water (300 gal. maximum per acre)	Apply as a thorough cover spray at 7-day intervals. Do not make more than 5 ap- plications 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 <u>not</u> 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 gals. of dormant oil or 1-1 1/2 gals. supe- rior type oil in 100 gals. of water	Apply as a dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gals. of oil per acre per application.
	Aphids, Brown Mites (Clover Mites), Twospotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers	1 lb. in 100 gals. 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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Nectarines (Cont'd)	Peach Twig Borers Parlatoria Scale	1 lb. + 1 gal. light medium summer horticultural oil in 100 gals. of water	Apply at petal fall. Do not apply more than 6 lbs. of diazinon or 6 gals. of summer oil per acre appli- cation.
	Olive Scale Crawlers	1/2 lb. + 1 1/2 gals. light medium horticultural oil in 100 gals. of water	Apply as insects occur. Do not apply more than 6 lbs. of diazinon or 6 gals. 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 resi- dues may occur.
	Oriental Fruitmoths	1 lb. in 100 gals. of water	Apply at 100% petal fall. Make 2 additional applica- tions at 10-15 day inter- vals. Time the last appli- cation 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 resi- dues may occur.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Peaches	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 gals. of water	Apply as a dormant spray. Do not apply more than 6 lbs. of diazinon or 9 gals. of oil per acre per application.
	Aphids, Brown Mites (Clover Mites), Twospotted Spider Mites, Olive Scale Crawlers, San Jose Scale Crawlers	1 lb. in 100 gals. 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 gal. light medium summer horticultural oil in 100 gals. of water	Apply at petal fall. Do not apply more than 6 lbs. of diazinon or 6 gals. of summer oil per acre.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Peaches (Cont'd)	Olive Scale Crawlers	1/2 lb. + 1 1/2 gals. light medium horticult- ural oil in 100 gals. of water	Apply as insects occur. Do not apply more than 6 lbs. of diazinon or 6 gals. 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 resi- dues may occur.
	Oriental Fruit Moths	1 lb. in 100 gals. of water	Apply at 100% petal fall. Make 2 additional applica- tions at 10-15 day inter- vals. Time the last appli- cation 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 resi- dues may occur.
	Peach Twig Borers	1 lb. in 100 gals. 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.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Peaches (Cont'd)	Leafhoppers	1 lb. in 100 gals. of water	Make 3-4 applications beginning at petal fall and continuing through the growing season. Allow at least 7 days between applications. 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 gals. of water	Apply post harvest timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestation 2 applications (7 days apart) may be needed.
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 gals. of water	Apply as a dormant spray. Do not apply more than 9 gals. of oil per acre per application or 6 lbs. of diazinon per acre per application.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Pears (Cont'd)	Pear Psylla	1/2-1 lb. in 100 gals. 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 Leafminers, Mealybugs	1 lb. in 100 gals. 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, Wooly Apple Aphids, Mites	1 lb. in 100 gals. 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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Pears (Cont'd)	Apple Maggots	1 lb. in 100 gals. of water	Make 3 cover sprays when flies are active and laying eggs. Do not repeat appli- cations 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 resi- dues may occur. NOTE: Diazinon may not control organophosphate- resistant apple maggot.
	San Jose Scale Crawlers, Forbes Scale Crawlers	1 lb. in 100 gals. 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 gals. of water per acre. Repeat application as necessary every 28 days up to a maxi- mum of 8 applications. Do not apply within 7 days of harvest or illegal residues may occur. Pineapple for- age and refuse may not be fed to livestock.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Plums	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 gals. of water	Apply as a dormant spray. Do not apply more than 9 gals. 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 gals. of water.
	Brown Mites, Clover Mites, European Red Mites	1 lb. in 100 gals. 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 gals. of water	

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Prunes	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 gals. of water	Apply as a dormant spray. Do not apply more than 9 gals. 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 gals. of water.
	Brown Mites, Clover Mites, European Red Mites	1 lb. in 100 gals. 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 gals. of water	

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Straw- berries	Aphids, Twospotted Spider Mites	1 lb. in 100 gals. of water per acre	Apply as pests occur. Repeat application if nec- essary after 7 days, but do not make more than 3 applications per season. Do not apply within 5 days of harvest or illegal resi- dues may occur.
	Cyclamen Mites	2 lbs. in 100 gals. of water per acre	Direct spray to the plant crowns. Plants should be sufficiently agitated to assure thorough coverage of the foliage. Repeat appli- cation after 7 days if nec- essary. Do not make more than 3 foliar applications per season. Do not apply within 5 days of harvest or illegal residues may occur. Two applications at seven day intervals may be made to plants after harvest.
	Mole Crickets	2 lbs. per acre	Apply 1-2 days before transplanting and immedi- ately incorporate into the top 1-2 inches of soil.
	Strawberry Leafrollers	3/4-1 lb. in 100 gals. of water	Apply 200 gals. of spray per acre when blossoms show color. Do not apply within 5 days of harvest, or ille- gal residues may occur.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Walnuts (CA only)	Aphids, Mites	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 applications in a minimum of 100 gals. of water.
	Codling Moths, Scale Crawlers, Walnut Caterpillars	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 aerially 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 GPA	MIN. GALS. PER 1000 SQ. FT.	AIR APPL.	MIN. GPA
Beans (Lima, Pole and Snap) (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	Yes	10	2	Yes	5
Muskmelons	Yes	5	1	No	--
Mustard	Yes	10	2	No	--
Onions (Bulb and Green)	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	--
Radishes	Yes	10	2	No	--
Spinach	Yes	10	2	No	--
Squash, Summer	Yes	5	1	No	--
Squash, Winter	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	--

*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, Pole, Snap)	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 (Escarole)	10
Honeydew Melons	3
Kale	10
Lettuce	10
Muskmelons	3
Mustard	10
Onions (Bulb and Green)	10
Parsnips	10
Peas	0
Peppers	5
Persian Melons	3
Potatoes (Irish)	35
Radishes	10
Spinach	10
Squash, Summer	7
Squash, Winter	3
Sweet Corn	0
Swiss Chard	12
Tomatoes	1
Turnip Tops	10
Watermelons	3

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

NOTES: 1) Soil Incorporation: Following application of this product to control vegetable soil insects, immediately incorporate the product into the soil to the recommended depth (see TIMING/SPECIAL DIRECTIONS). For control of surface cutworms, incorporate 2-3 inches, for subterranean cutworms incorporate 3-6 inches. 2) To Protect Bees: Foliar applications of this product should not be made to peas or beans if these crops or weeds in the treatment area are in bloom, or to corn during the pollen shed period.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Beans (Lima, Pole and Snap) (succulent only)	Cutworms	4-8 lb. 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.
	Black Bean Aphids, Mexican Bean Beetles, Leafminers	1-1 1/2 lbs. per acre or 2/5-3/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as nec- essary, every 5 days. Do not make more than 3 appli- cations per season. Do not apply within 7 days of har- vest or illegal residues may occur.
	Cucumber Beetles	1/2-3/4 lbs. per acre or 1/5-3/10 oz. per 1,000 sq. ft.	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 appli- cation in 100 gals. of water per acre. NOTE: Diazinon will not control organophosphate- resistant leafminers.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Beans (Lima, Pole and Snap) (succulent only) (Cont'd)	Dipterous Leafminers, Leafhoppers, Mites	1 lb. per acre or 1/5 oz. per 1,000 sq. ft.	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.
Beets, Red (Table)	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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Beets, Red (Table) (Cont'd)	Aphids, 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 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 gals. of water	In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply 1/2-1 cup (4 to 8 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.
	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.)

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Broccoli (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 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 nec- essary, 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 gals. of water	In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply 1/2- 1 cup (4 to 8 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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Brussels Sprouts (Cont'd)	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and 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	1/2-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as nec- essary, up to 5 times, with a minimum of 7 days between applicationis. Do not apply within 7 days of harvest or illegal resi- dues may occur.
Cabbage	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 immediately incorporate into the top 3-4 inches of soil.
		4-8 ozs. in 50 gals. of water	In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply 1/2- 1 cup (4 to 8 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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cabbage (Cont'd)	Cutworms	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and 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, 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 nec- essary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 7 days of harvest or illegal resi- dues may occur. NOTE: Diazinon will not control organophosphate- resistant leafminers.
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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cabbage (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.
	Carrot Rust Fly	4 lbs. per acre or 1 1/2 ozs. per 1,000 sq. ft.	Apply as a drench to the seed furrow at planting.
	Aphids	1 lb. per acre or 2/3 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as nec- essary, 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 gals. of water	In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply 1/2- 1 cup (4 to 8 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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cauliflower (Cont'd)	Cutworms	4-8 lbs. per acre or 1 1/2-3 oz. 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 oz. 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 nec- essary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 7 days of harvest or illegal resi- dues may occur. NOTE: Diazinon will not control organophosphate- resistant leafminers.
Celery	Cutworms	4-8 lbs. per acre or 1 1/2-3 oz. 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 oz. 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
Celery (Cont'd)	Aphids, Flea Beetles, Cabbage Loopers	1 lb. per acre or 2/5 oz. per 1,000 sq. ft.	Mix in 100 gals. of water to spray 1 acre (2 1/4 gals. 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. 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.
	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 nec- essary, up to 5 times, with a minimum of 7 days between applications. 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. NOTE: Diazinon will not control organophosphate- resistant leafminers.
Chinese Broccoli	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 nec- essary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 10 days of harvest or illegal resi- dues may occur. NOTE: Diazinon will not control organophosphate- resistant leafminers.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Chinese Cabbage (Bok Choy and Napa)	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.
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 oz. 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.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Collards (Cont'd)	Wireworms	6-8 lbs. per acre or 2 1/4-3 oz. 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 nec- essary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 10 days of harvest or illegal resi- dues may occur.
Cucumbers	Cutworms	4-8 lbs. per acre or 1 1/2-3 oz. 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 oz. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4- 8 inches of soil.
	Aphids, Serpentine Leafminers, 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 nec- essary, every 7 days. Do not make more than 5 appli- cations per season. Do not apply within 7 days of har- vest or illegal residues may occur. NOTE: Diazinon will not control organophosphate- resistant leafminers.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Endive (Escarole)	Cutworms	4-8 lbs. per acre or 1 1/2-3 oz. 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 or transplanting and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2 1/4-3 oz. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate 4-8 inches into soil.
	Aphids, 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 nec- essary, 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.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Kale (Contd)	Wireworms	6-8 lbs. per acre or 2 1/4-3 oz. 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 nec- essary, up to 5 times, a minimum of 7 days between applications. Do not apply within 10 days of harvest or illegal resi- dues may occur.
Lettuce	Cutworms	4-8 lbs. per acre or 1 1/2-3 oz. 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 oz. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4- 8 inches of soil.
	Aphids, Dipterous Leafminers	1/2-1 lb. per acre or 3/16-3/8 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as nec- essary, 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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Melons (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians, & Hybrids of these) and Watermelons	Cutworms	4-8 lbs. per acre or 1 1/2-3 oz. 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 oz. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4- 8 inches of soil.
	Aphids, Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, 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 nec- essary, every 7 days. Do not make more than 5 appli- cations per season. Do not apply within 3 days of har- vest or illegal residues may occur. NOTE: Diazinon will not control organophosphate- resistant leafminers.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Mustard	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, 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 nec- essary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 10 days of harvest. NOTE: Diazinon will not control organophosphate- resistant leafminers.
Onions (Bulb and Green)	Onion Maggots	4-8 lbs. per acre or 1 1/2-3 ozs. per 1,000 sq. ft.	Broadcast just before planting and mix into the top 3-4 inches of soil by disking, harrowing, or other suitable means. NOTE: Diazinon will not control organophosphate- resistant onion maggots.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Onions (green and bulb) (Cont'd)	Onion Thrips	1 lb. per acre or 3/8 oz. per 1,000 sq. ft.	Apply as thrips appear. Repat after 7 days, if nec- essary. Do not make more than 3 appliations per sea- son. Do not apply within 10 days of harvest or illegal resi- dues may occur.
	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 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.
	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.)
Peas (succulent only)	Aphids, Dipterous 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.

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 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 applica- tions per season. Do not apply within 5 days of har- vest, or illegal residues may occur. NOTE: Diazinon will not control organophosphate- resistant leafminers.
Potatoes	Cutworms (Surface & Subter- ranean)	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 min- eral soils in the South- east, apply prior to plant- ing and immediately incorporate into the top 3- 6 inches of soil depending on location of wireworms.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Potatoes (Cont'd)	Aphids, Flea Beetles, Colorado Potato Beetles, Dipterous Leafminers	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 nec- essary, up to 5 times with a minimum of 7 days between applications. Do not apply within 35 days of harvest or illegal residues may occur. NOTE: Diazinon will not control organophosphate- resistant leafminers.
	Banded Cucumber Beetles, Leafhoppers, Southern Armyworms	3/4-1 lb. per acre or 3/10-4/10 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application as nec- essary 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: Do not use on commercially grown potatoes which will be hand-harvested.		
Radishes	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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Radishes (Cont'd)	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.
Spinach	Aphids, 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. 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.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Squash, Summer	Aphids, Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, 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 nec- essary, every 7 days. Do not make more than 5 appli- cations per season. Do not apply within 7 days of har- vest or illegal residues may occur. NOTE: Diazinon will not control organophosphate- resistant leafminers.
	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.
Squash, Winter	Aphids, Leafminers, Thrips, Striped Cucumber Beetles, Melonworms, Leafhoppers, 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 nec- essary, every 7 days. Do not make more than 5 appli- cations per season. Do not apply within 3 days of har- vest or illegal residues may occur. NOTE: Diazinon will not control organophosphate- resistant leafminers.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
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 maxi- mum of 5 applications, if necessary. Corn may be picked immediately follow- ing 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 cover- age to the upper portions of the plants. Repeat in 7 days if necessary. Do not make more than 5 applica- tions per season. Corn may be picked immediately fol- lowing 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 appli- cations per season. Corn may be picked immedi- ately following last appli- cation. 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 tim- ing of application. Repeat application in 7 days, if necessary. Do not make more than 5 applications per season. Corn may be picked immedi- ately following last appli- cation. Forage may be fed to beef and dairy cattle and sheep.
NOTE: To protect bees, do not apply foliarly to corn during the pollen shed period.			
Sweet Potatoes	Wireworms, Flea Beetles	6-8 lbs. per acre or 2 1/4-3 oz. 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 oz. 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 oz. 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
Swiss Chard (Cont'd)	Aphids, Corn Earworms, Imported Cabbage- worms, Diamondback Moths, Harlequin Cabbagebugs	1/2-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as nec- essary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 12 days of harvest or illegal resi- dues may occur.
Tomatoes	Cutworms	4-8 lbs. per acre or 1 1/2-3 oz. 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 oz. 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 applica- tions per season.
	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.	Do not apply within one day of harvest or illegal resi- dues may occur.
	Vinegar Flies (<i>Drosophila</i> spp.)	1/2-1 1/2 lbs. per acre or 1/5-3/5 oz. per 1,000 sq. ft.	NOTE: Diazinon will not control organophosphate- resistant leafminers.

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Turnips and Turnip Tops	Cutworms	4-8 lbs. per acre or 1 1/2-3 oz. 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 oz. 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 nec- essary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 10 days of harvest or illegal resi- dues 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, because illegal residues may result.

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:

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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
Hops	Aphids, Mites	2 lbs. per acre	Apply as pests occur. Repeat applications, if necessary in 14 days. Do not make more than 5 appli- cations 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.
	Beef Leaf- hoppers, Dipterous Leafminers, Aphids	3/4-1 lb. per acre	Apply as insects occur. Repeat application, as nec- essary, 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.
	Grasshoppers	1 lb. per acre	Apply as insects occur Repeat application, nec- essary, up to 5 time. with a minimum of 7 days between applications. Do not apply within 7 days of harvest.
NOTE: Tops may be fed to beef and dairy animals.			

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.

Fly Control in Livestock Structures

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

Residual Sprays: Remove animals from buildings 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.

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.

) Insect Control on 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.

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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 leaf tiers, Privet mites, Scale crawlers (Cottonycushion, Lecanium, Pine needle, San Jose, Soft) Thrips, Twospotted mites, 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.

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 or geese, can be expected to enter treated area after treatment or (except spot treatments), water lawn with at least 0.25 inch water immediately after application, however, stop irrigation before puddling occurs.

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Pests	Rate/1,000 sq. ft.		Remarks
	D.z.n diazinon 50W	Water	
Lawn chinch bugs	2-3 oz.	3 gals.	Use higher rate for longer residual control and in turfgrass of dense growth, such as St. Augustine.
Ants, Armyworms, Bermudagrass mites, Clover mites, Springtails (Collembola), Crickets, Cutworms, Digger wasps, Earwigs, Frit flies, Lawn billbugs, Leafhoppers, Sod webworms (Lawn moths), Sowbugs (Pillbugs) Brown dog ticks, Chiggers, Fleas	3 oz.	3 gals.	Spot spray ant hills and wasp ground nest openings. For digger wasps, apply product at dusk when wasps are not active. For frit flies, mow grass and water well before treatment, but delay application until grass is dry. Do not apply to animals. For brown dog ticks, spray grass and under shrubbery.
Hyperodes Weevils	3 oz.	3 gals.	Treat problem areas in mid-April and again in mid-May.
Millipedes	3 oz.	3 gals.	
Rhodesgrass scales	3 oz.	3 gals.	Apply when crawlers first emerge.
White grubs (Japanese Beetle Larvae, European Chafer, Southern Chafer)	3 oz.	3 gals.	Apply anytime between late July and early October.

Nuisance Pests in Outside Areas

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

Mix 3 oz. in 3 gals. of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls, entranceways, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide. Do not apply to animals. Do not apply to plants (except tree trunks) at this nuisance pest rate.

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

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 reentry period (see Reentry 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 sprays. On lawns 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), 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.

Physical or Chemical Hazards

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

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Revised June 2, 1982
Nov. 30, 1982
(Include EPA comments of
11/22/82)
Revised Jan. 02, 1985
(EPA PR Notices 83-2 &
83-3)

Revised April 1986 - reduced rates, added precautions re: avian toxicity
Revised April 5, 1988 - added chemigation prohibition, deleted dust formulation instructions, deleted golf course/sod farm dfu, deleted golf course/sod farm precautions in Env. Hazards, added do not use on golf courses/sod farms statement to front panel.

Revised Sept. 21, 1988
Deleted non-supported crops until May 1, 1987, EPA Data Call-In; added spill statement; added Chinese broccoli, bok choy, and Chinese mustard.

Revised Nov. 11, 1988
Deleted mushroom houses, changed all references to Corn to "Sweet Corn," deleted corn from aerial application statements, deleted bermudagrass and rangeland per EPA comments.

Added "Do not use on commercially grown potatoes which will be hand-harvested."

Accepted - 11/23/88 with comments

Revised 6/7/89 - moved golf course/sod farm prohibition under product name, revised Hazards to Humans and Domestic Animals, revised precautionary statements, revised Env. Hazards section, added "Recommended for Agricultural or Commercial Use Only," revised Note to Physician, revised all directions for use to reflect Data Call-In Residue Program, added Chinese radish, revised reentry statements - 24 hrs. vegs., fruits, field crops.

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

Revised 11/21/89 per EPA letter of 11/6/89 deleted in-furrow treatment for root vegs.

Revised 12/21/89 - added cranberry chemigation

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

Revised 10/8/90 correct min. gallons for grapes and strawberries and other corrections.

Revised 11/20/90 per EPA letter of 10/9/90.

[GANNONC.LABELD]
DZN50WBF1 - 11/21/90