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05/10/2002

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES 1/21

MAY 1 0 2002

Value Garden Supply, LLC. c/o Ms. Carrie Crawford Rt. 2 Box 956 New Castle, VA 24127

Dear Ms. Crawford:

Subject: Amendment- Comply with 2000 Diazinon MOA; Delete Beans (except seed treatment), Cucumbers, Parsley, Parsnips, Peas (except seed treatment), Peppers, Potatoes, Summer Squash, Winter Squash, Sweet Potatoes, Swiss Chard, Turnips, Grasslands, Non-crop Areas, Ditchbanks, Roadsides, Barrier Strips, Wasteland, Nuisance Pests, Indoor Ornamentals, and Lawns Update First Aid per PR Notice 2001-1; and Update CSF/replacement diazinon source AllPro Diazinon 50WP Insecticide EPA Registration Number 769-954 Your submissions dated June 30 and November 12, 2001, and FAX of April 23, 2002

The amendment referred to above, submitted in connection with registration under FIFRA section $\Im(c)(7)(a)$, is acceptable provided that you:

- Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
- 2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
- a. On the front panel claims, revise "...Field Crops, and Ornamentals" to read "...Field Crops, and Ornamentals grown outdoors in nurseries".
- b. Since there is no lawn use on the label, delete the front panel limitation "This product must not be used on golf courses and sod farms".
- c. In the FIRST AID section, relocate the IF SWALLOWED advice to be the first item presented.

- d. Under the heading HOTLINE NUMBER correct the spelling of "ORGANOPHOSPHATE".
- e. In the Environmental Hazards, delete the sentence that refers to the now deleted use on lawns. Specifically, delete the sentence beginning "On lawns, if waterfowl...". In its place add the following: "Do not exceed maximum permitted label rates. Rates above those recommended significantly increase potential risks to birds and waterfowl.".
- f. Delete the section entitled Special Precautions to Reduce Risks to Birds. These are lawn use precautions, and lawn use has been deleted.
- g. Delete the heading Physical and Chemical Hazards and the associated text. Your proposed text is appropriate for a solvent based emulsifiable concentrate, not for a wettable powder such as this product.
- h. Delete the Non-Agricultural Use Requirements box and its associated text since all the remaining uses on this label are agricultural uses.
- i. Under the heading GENERAL INFORMATION, replace the sentence "Do not use on food crops grown in greenhouses." with "Do not use in greenhouses, barns, or dwellings.".
- j. Under the heading DIRECTIONS FOR USE, slightly revise the prohibition so that it reads, "Reformulation or repackaging of this product is prohibited.".
- k. As we recently discussed regarding the use and submission of a separate container label and booklet label, the referral statement to the attached booklet should appear only on the container label. Be sure to include the Storage and Disposal section on both labels. Among other items, the booklet should contain the full version of the Agricultural Use Requirement block and should not contain the referral to the booklet. You must submit both the container label and the booklet when submitting your finished labeling in response to this letter. Note that there are certain minimum information/items that must be present on it. Please refer to Novartis's separate container label for their D.z.n Diazinon 50W product as a guide when preparing your container label.
- Under the heading "Diazinon 50WP is registered for use in or on", for Beans replace "Lima, Pole and Snap" with "(succulent only)". Delete the entry "Non-crop Areas". For Peas, revise the entry to read "Peas(Seed treatment only)(succulent only)".
- m. In the minimum gallonage table for foliar or soil application to VEGETABLE CROPS, delete the entries for Beans and for Peas. Also, revise "Casabas" to read "Casaba Melons", and

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revise "Crenshaws" to read "Crenshaw Melons". The Agency assumes that all of the blank entries will be deleted when you prepare the finished labeling.

- n. In the PHI table for VEGETABLE CROPS, revise "Casabas" to read "Casaba Melons", and revise "Crenshaws" to read "Crenshaw Melons". The Agency assumes that all of the blank entries will be deleted when you prepare the finished labeling.
- o. Delete the entry for Grassland Insects. Your submission dated November 12, 2001 indicated that you were deleting this unsupported use.
- p. To reflect the deletion of indoor ornamentals, revise the heading "Insect Control on Ornamentals" to read "Insect Control on Ornamentals Grown Outdoors in Nurseries". In the listing of ornamentals, the "M" of "Maple" should be capitalized to match the rest of the entries.
- 3. Submit three (3) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

The Basic Confidential Statement of Formula (CSF) dated November 10, 2001 which identifies a replacement diazinon source Manufacturing Use Product is acceptable and has been added to this product's registration file.

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Sincerely,

George T. LaRocca Product Manager 13 Insecticide Branch Registration Division (7505C) 3/2/

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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

AllPro Diazinon 50WP Insecticide

For Control of Certain Insect on Fruits, Nuts, Vegetables, Field Crops, Lawns and Ornamentals.

THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOD FARMS

Active Ingredient:

Diazinon (0,0-diethyl 0-(2-isopropyl-6-methyl-4	
pyrimidiny!)phosphorothioate]	50.0%
inert ingredients*:	
Total	100.0%

Diazinin 50WP is a wettable powder.

EPA Reg. No. 769-954 EPA Est, No. 44616-MO-1

KEEP OUT OF REACH OF CHILDREN CAUTION

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

See Cide Panel For Additional Precautionary Statements

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed, inhaled, or absorbed through the skin. Causes moderate eye injury. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Avoid contamination of food and feed. Food utensils such as tablespoons and measuring cups should not be used for ibod purposes after use in measuring pesticides. Keep out of reach of domestic animals. Do not use on humans, household pets or livestock. Do not contaminate ornamental fishponds.

PERSONAL PROTECTIVE EQUIPMENT:

Applicators and other handlers must wear: Long-sleeved shirt and long pants

- Waterproof gloves
- Shoes plus socks

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Follow manufacturer's instructions for cleaning, maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. User Safety Recommendations Users Should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

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 Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing

FIRST AID

This is an organophosphate insecticide

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an
- ambulance, then give artificial respiration,
- preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for treatment advice.

IF ON SKIN:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a
- "poison control center or doctor.
- Do not give anything by mouth to an unconscious or convulsing person.

HOTLINE NUMBER [ORGANOPHOSPHAE]

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-250-9291 for emergency medical treatment information.

NOTE TO PHYSICIAN: Contains an

organophosphate that inhibits cholinesterase. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.

Distributed By: Value Garden Supply, LLC. P. O. Box 585 St. Joseph, MO 64502

ACCEPTED with COMMENTS In EPA Letter Dated:

MAY 1 0 2002

Under the Federal Insecticide, Pumpicide, and hodenticide Act. as unneuded, for the particide registered under TPA Boy. No. 769-954

ENVIRONMENTAL HAZARDS

This product is toxic to birds, fish and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. On lawns, if waterfowl (ducks and geese) can be expected in the treated area after treatment (except spot treatment), water lawn with at least ¼ inch of water immediately after spraying this product, however, stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. Do not contaminate water by cleaning of equipment of disposal of equipment washwaters. This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment areas.

SPECIAL PRECAUTIONS TO REDUCE RISKS TO BIRDS

Birds feeding or drinking on treated areas may be killed. To reduce risks to birds:

- 1. Do not treat areas larger than 15,000 sq. ft.
- 2. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20.
- Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds, especially waterfowl.
- 4. Avoid overlapping treated areas.
- Follow all watering instructions included within the directions for use; however, stop watering before puddling occurs.
- Do not apply this product to sites occupied by waterfowl or to sites within 75 Ft. of any body of water that may attract waterfowl, such as lakes or ponds.
- If necessary to repeat application, wait a minimum of 3 weeks between applications. Make no more than 4 applications per year.

PHYSICAL AND CHEMICAL HAZARDS

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

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. To avoid harming aquatic organisms in rivers and other surface waters, do not pour spray mixture or rinse water into sanitary drains (for example, toilets, floor drains, and sinks) or into storm water sewers (for example, street drains). 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 discose of empty bag in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. Stay out of smoke from burning container.

For minor spills, leaks, etc., follow all precautions indicated o 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 1-800-888-8371, day or night.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during

the restricted entry interval (REI). Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no

contact with anything that has been treated. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soll, or water, is: • Coveralls. • Waterproof gloves a exchange plus accks

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forest, nurseries, or greenhouses.

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 crolonged by adding to the largest applicable interval an additional 50% of that interval.

General Information

This product 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 this product 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.

Do not use on food crops grown in greenhouses.

General Information for Water Soluble Packets

To prepare spray mixture, drop the required number of unopened, water soluble packets of All Pro Diazinon 50WP into the spray tank, while filling with water to the desired level. Be certain packet and its contents have completely dissolved and dispersed before applying spray. Operate agitator while mixing and applying.

Do not open packets or allow them to become wet prior to adding to the spray tank. Wear gloves when handling. If all water soluble packets are not used, store remaining packets in resealed, outer package.

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 this product 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 on tabel.

CHEMIGATION

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APPLICATION THROUGH AN IRRIGATION SYSTEM (CHEMIGATION) - CRANBERRIES ONLY

This product 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.

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if the need arises.

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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,

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

- 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, adjustment of 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
- side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line of 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 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.
- Measure the appropriate amount of this product needed to treat the acreage to be treated. Refer to the specific directions for ust for cranberries for the application rate and the amount of water per acre.
- 3. Add the pre-measured amount to the chemigation system supply tank and dilute with water if needed. Constant agitation is required to keep the product in solution when this product is used alone or tank mixed with other pesticides registered for sprinkler chemigation application to cranberries.
- Start the irrigation system and bring the system up to full pressure, making certain that all sprinkler heads are functioning properly.
- Engage the chemigation injection or venturi system to add the diazinon to the irrigation lines.
- 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 sprinkter heads furthest from the chemigation injection point.

DIRECTIONS FOR USE

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

Reformulation or repackaging this product Is prohibited

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to you State or Tribe, consult the agency responsible for pesticide regulation.

IMPORTANT: Read the entire Directions for Use and Notice before using this product.

DISCLAIMER: Value Garden Supply, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in the Directions For Use, subject to the inherent risks referred to above. Value Garden Supply makes no other express or implied warranty of fitness or merchantability nor any other express or implied warranty. In no case shall Value Garden Supply be liable for consequential, special, or indirect damages resulting from the use, handling or application of this product.

Please Refer To Attached Booklet For Complete Directions For Use.

Diazinon 50 WP is registered for use in or on:

Almonds (CA only) Apples Apricots Beans (seed treatment only) Lima, Pole, and Snap Beets Biackberries (CA, OR, WA only) Boysenberries (CA, OR, WA only) Broccoli **Brussels Sprouts** Cabbage Caneberries (CA, Or, WA only) Carrots Cauliflower Chemies Chinese Broccoli Chinese Cabbage (Bok choy and Napa) **Chinese Mustard** Collards Cranberries Dewberries (CA, OR, WA only) Endive (Escarole) Grapes Hops Kale Lettuce

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Loganberries (ČA, OR, WA only) Melons Mushroom Houses Mustard Nectarines Non-crop areas **Galons** Peaches Faars Peas (Seed treatment only) Pineapples Plums Primes Radishes Raspberries (CA, Or, WA only) Seed Treatment (Com & Succulent Peas & Beans) Spinach Strawberries Sugar Beets Sweet Com Tomatoes Walnuts (CA only)

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Fruit and Nut Crops - REI 24 Hours

This product may be applied using ground or aerial application equipment as specified in the table below. This table also indicates the minimum amount of water that can be used for the various methods of application. The rate of Diazinon 50 WP for aerial spray or concentrated spray applied by ground equipment is based on a dilute full cover spray applied to fruit or nut trees with conventional ground equipment at a rate of 300-400 gallons of water per acre. The specific amount of product to be used appears under the separate directions for use for each crop. (Note: "lbs." or "lbs of product" in the directions means pounds of product, not pounds of active ingredient.) If the "Rate" calls for 1 lb. Of this product per 100 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 directions for use for individual crops.

	Aerial Application	Ground A Minimum	pplication Gals./Acre
Crop	Minimum Gals /Acre	Dilute	Concentrate
Aimonds*	20	100	20
Apples	20	100	20
oricots	20	100	20
Blackberries**	20	100	20
Boysenberries**	20	100	20
Caneberries**	20	100	20
Cherries	20	100	20
Iranberries	20	15	-
Dewbarries**	20	100	20
eeqes	20	100	20
oganberries**	20	100	20
Nectarines	20	100	20
Peaches	20	100	20
Pears	20	100	20
Pineapples	20	100	20
Plums	20	100	20
Tunes	20	100	20
Raspberries**	20	100	20
Strawberries	20	100	20
Vainuts*	20	100	20

*CA only **CA, OR, or WA only

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

Crop	PH)*	Crop	PHI*	
Almonds	**	Loganberries	7	
Apples	21	Nectarines	21	
Apricots	_21	Peaches	21	
Blackberries	_7	Pears	21	
Boysenberries	7	Pineapples	7	
Canaberries	7	Plums, Prunes	21	
Cherries	21	Raspberries	7	
Cranberries	7	Strawberries	5	
Dewberries	7	Walnuts	45	
Grapes	28			

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

** = Dormant spray only.

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

Crop	Pest	Rate	Timing/Special Directions
Almonds (CA only)	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Twig Borers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Meal Plum Aphid Eggs, Mealybugs	1-1 ½ lbs. + 2-3 gals. domant oil or 1-1 ½ gals. superior type oll in 100 gals. of water.	Apply as a single dormant spray. Do not apply more than 6 lbs. of product or 9 gals of oil per acre.

Crop Apples

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Fruit and Nut Crops continued

Pest	Rate	Timing/Special Directions
San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scalo, European Red Mile Eggs, Brown Mile Eggs, Twig Borers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs.	1 lb. + 2 gałs. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water ,	Apply as a dormant or delayed dormant spray. De not apply more than 4 lbs. of product or 6 gals, of oil per acre.
Lealhoppers	1 lb, in 100 gais. of water	Apply, beginning al petal fall, as infestations develop. Repeat application in 14 days if necessary.
Eyespotted Bud Moths, Fruit Tree Leatrollers, Mealybugs	1 lb, in 100 gals. of water	Make 3 cover sprays, beginning at pink stage. Do not repeat application closer than 14 days.
Codling Moths, Rosy Apple Aphids, Green Apple Aphids, Woolly Apple Aphids, Spider Mites	1 lb. in 100 gals. of water	Make 3 cover sprays beginning when infestations occur. Do not repeat applications closer than 14 days. Note: Mites will be suppressed 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	† Ib. in 100 gals. of water	Make 3 cover sprays when flies are active and laying eggs. Do not repeat applications closer than 14 days. Note: Diazinon may not control organophos- phate-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.

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

Apricots	San Jose Scale, Parlatoria Scale Black Scale, Brown Scale, Apricot Scale, European Red Mile 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 1-1½ gals. superior type oil in 100 gals. of water.	Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gats, of oil per acre.
	Aphids, Brown Mites (Clover Mites), Two- Spotted Spider Mites, Olive Scale Crawlers, San Joso Scale Crawlers	1 lb. in 100 gals. of water	Apply as infestations occur. Repeat application after 14 days if necessary.
	Olive Scale Crawlers	1/2 lb. + 11/2 gals. of light medium horticultural oil in 100 gals. of water.	Apply when scale crawlers are present. Do not apply more than 4 lbs. of product or 6 gals. of oil per acre per application.
	Apricol Mealybugs	1 lb. in 100 gals. of water	Apply as a cover spray from petal fall to June. Allow 14 days between applications.

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

Caneberries (CA, OR and WA only) (Blackberries, Boysenberries, Dewberries, Loganberries,	Leafhoppers, Thrips, Aphids, Two-Spotted Spider Mites, Raspberry Fruitworms	2 lbs, per acre in a minimum of 100 gais. of water (200 gals. of water maximum)	Apply as insects occur. Repeat application after 14 days if necessary. Do not make more than 5 applications per season. For raspberry fruitworm make one application when blossom buds separate. Make a second application immediately before blossoms open.
Raspberries)	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 developed but still closed.
	Raspberry Crown Borers, (Raspberry) Root Borers	4 lbs, per acre in a minimum of 100 gals, of water	Apply as a drench to the crown and lower canes in Spring before buds break.

CARRIE CRAWFORD

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Fruit and Nut Crops continued

Сгор	Pest	Rate	Timing/Special Directions
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 Affid Eggs, Mealybugs	1¼ lbs. + 3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water	Apply as a dormant spray. Do not apply more than 4 lbs of product or 6 gals. of oil per acre.
	Exespotic Bud Moths. Fruit Inde Ceatrollers	1 lb. in 100 gals. of water	Apply as infestations occur beginning at petal fail. Repeat application after 7 days if necessary.
·	Leathopperst	1 lb. in 100 gals. of water	Make 3-4 applications beginning at petal fall and continuing through the growing season as infestations occur. Allow 7 days between applications.
	Cherry Fruitiles	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.
	Black Cherny Aphids	1 lb. in 100 gals.	Apply as a cover spray when aphids appear. Repeat application after 10 days if necessary.
	San Jose Scale Crawlers	1 lb. in 100 gals.	Apply during the prepink stage or when crawlers first appear.
	Cherry Rust Miles	10/2-1 lb. in 100 gals	Apply as a single supplemental spray to trees after harvest.

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

Cranberries

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		P21/days between the last	
	Blackheaded Fireworms	4 ibstanta minimum of 15rgals, of water per acretifon ground application and up to 400 galas of water for acre for cherpigation.	Apply to larval stage. Pheromone trap captures and sweep monitoring may be used to optimize treatment timing.
•	Cranberry Fruitworms	4-6 lbs. in Baninionum of 15 gals of water per- acre for groupul application and up to 400 gals. of water per acre for chemigation.	Cranberry growth stage and/or berry inspection for eggs may be used to optimize treatment timing; consult your local extension agent or pest management advisor. Repeat application every 14 days, as needed. A maximum of 4 applications per season is permitted for the bib. rate. A maximum of 6 applications is permitted for the 4 lb. rate.

Notes: (1) Do not apply more than 24 lbs. of product per acre per season. (2) To avoid illegal residues, allow a minimum of 7 days between the last application and harvest. (3) This product may be applied to cranbernies, through sprinkler irrigation. Refer to the section CHEMIGATION for specific chemigation directions for use. (4) Do not user water through a prinkler irrigate or flooded cranberry beds drinking purposes or to irrigate crops other than those appearing on EPA apply of diazinon labels.

Grapes	Pacific Spider Mites, Leafhoppers, Grape Berry Moths, Grape Leaffolders, Omnivorous Leafrollers, Aphids, Spider Mites	1-2 lbs. per acre in a minimum of 100 gals. of water (200 gals. of water maximum)	Apply as a thoroligh cover spray when pest appears. Repeat apple along after 7 days if necessary.
	Drosophila spp.	6 oz, per acre in a minimum of 100 gals of water (300 gals, of water maximum)	Apply as a thorough opyer spray at 7-day intervals.

lotes: (1) Do not apply more than 2 lbs. product per acre per application and no more than 10 lbs. product per acre per season. 2) To avoid illegal residues, allow a minimum of 28 days between the last application and harvest.

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CARRIE CRAWFORD

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Fruit an	d Nut	Crops	continued
Сгор			Pest
Nectarine	s		San Jose Scale.

Crop	Pest	Rate	Timing/Special Directions
Nectarines	San Jose Scale, Parlatoria Scale, Black Scale, Brown 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. of dormant oil or 1-11/2 gals. superior type oil in 100 gals. of water	Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gals. of oil per acre,
	Aphids, Brown Mites (Clover Mites), Two- Spotted Spider Mites, Oliver Scale Crawlers, San Jose Scale Crawlers, Ta	1 lb, in 100 gals. of water	Apply as infestations occur. Repeat application after 7 days if necessary.
	Peach, Twig Borers, Parlatoria Scale	1 lb. + 1 gal. light medium summer hotricultural oil in 100 gals. of water	Apply at petal fall. Do not apply more than 4 lbs. of product or 4 gals. of summer oil per acre.
	Olive Scale Crawlers	1/2 lb. + 11/2 gals. light medium horticultural oil in 100 gals. of water	Apply as insects occur. Do not apply more than 4 lbs. of product or 4 gals. of summer oil per acre per application. Allow 7 days between applications.
	Oriental Fruitmoths	1 lb. in 100 gals. of water	Apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult flight.

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

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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	11b ++2-3 gals. dormant'oil or 1-1/2 gals, superior type-oil in 100 gals. oi-water	Apply as a dermant spray. Do not apply more than 4 lbs. of product or 6 gats, of oil per acre.
į	Aphids, Brown Mites (Clover Mites), Two- Spotted 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.
	Peach Twig Borers. Parlatoria Scale	1 lb. + 1 gal. light medium summer horticultural oil in 100 gals. of water	Apply at petai fall. Do not apply more than 4 lbs, of product on scals, of oil per acre.
	Olive Scale Crawlers	1/2 lb. + 11/2 gals. light medium horticultural oil in 100 gals. of water	Apply as inserts occur. Do not apply more than 4 lbs. of product of 4 gals, of oil per acre, per application. Allow 7 days of tween, applications.
	Oriental Fruit Moths	1 lb, in 100 gals. of water	Apply at 100% petal fall, Make 2 additional applications at 10-15 day intervals of time the last application to peak adult flight.
	Peach Twig Borers	1 lb. in 100 gals. of water	Apply as insects occur in May and June. Allow 7 days between applications.
	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.
	White Peach Scale	11/2-2 lbs. in 100 gals. of water	Apply post harvest timed to coincide with peak craft of and immature scale activity. Under conditions of h) infestation 2 applications (7 days apart) may be needed.

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

Fruit and Nut Crops continued

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CARRIE CRAWFORD

Crop	Pest	Rate	Timing/Special Directions
Pears	San Jose Scale, Pariatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mite Eggs, Brown Mite Eggs, Pear Leaf Blister Mite Eggs, Twig Borers, Apple Aphid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs	1 lb. + 2-3 gals. dormant oil or 1-1½ gals. superior type oil in 100 gals. of water	Apply as a dormant spray. Do not apply more than 4 lbs of product or 6 gals, of oil per acre.
	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. Allow at least 14 days between applications.
	Tentiform Leafminers	1 lb. in 100 gals. of water	Make 3 cover sprays, beginning in April. Allow at least 14 days between applications.
	Codling Moths, Rosy Apple Aphids, Green Apple Aphids, Woolly Apple Aphids, Spider Mites	t Ib. in 100 gals. of water	Make 3 cover sprays, beginning as infestations occur. Allow at least 14 days between applications. Note: Mites will be suppressed if diazinon is used in this regular cover spray program.
	Apple Maggots	of water	Make 3 cover sprays when files are active and laying eggs. Allow at least 14 days between applications. Note: Diazinon may not control organophosphate-resistant apple maggots.
	San Jose Scale Crawlers, Forbes Scale Crawlers	di watere	Apply early in the season when crawlers first appear. If infestation warrants, make a second application 14 days later.

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

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-	Pineapple	Pineappie Mealybugs	2 lbs. per acre int., 200-500 gals. of water.	Repeat application as necessary every 28 days up to a maximum of 8 applications. Do not apply within 7 days of harvest or illegal residues may occur. Pineapple forage and refuse may not be fed to livestock.
	Plums	San Joss Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, European Red Mile Eggs, Brown Mite Eggs, Twig Borers, Apple Apixid Eggs, Black Cherry Aphid Eggs, Mealy Plum Aphid Eggs, Mealybugs.	1 lb. + 2-3 gals. dormant oil or 1-11/2 gals. superior type oil in 100 gals. of water	Apply as a dormant spray. Do not apply more than 4 lbs. of product or 6 gats. of oil per acre. If applied in late April or May, mix diazinon with 1 gal. of light medium summer, horticultural oil per 130 gals. of water.
		Brown Mites, Clover Mites, European Red Mites	1 lb. in 100 gals. of water	Apply as needed every 7 days.
		Leafcurl Plum Aphids, Mealy Plum Aphids. Thistle Aphids	1 lb. in t00 gals. of water	

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

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Fruit and Nut Crops continued

Crop	Pest	Aate	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 Brown Mites.	t lb. + 2-3 gals. dormant oil or 1-11/2 gals. superior type oil in 100 gals. of water	Apply as a domant spray. Do not apply more than 4 lbs. of product or 6 gals. of oil per acre. For late Apr or May applications, mix diazinon with 1 gal. of ligt medium summer horticultural oil per 100 gals. of water.
•	Brown Mites, Cloven Mites, European Red Mites	1 lb. in 100 gais. of water	Apply as needed every 7 days.
	Leaicur Flum Aphids, Mealys Blum Aphids, Thistle Aphids	½-1 ib. in 100 gais. of water	

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Notes: (1) Do not apply more than 41bs, of product per acre per application and no more than 12 lbs. of product per acre per season. (2) To avoid illegal residues, allow application and harvest.

Strawberries	Aphids, Two Spotted 1 lb. in 100 gals. Spider Mites	Apply as pests occur. Repeat application if necessary after 7 days.
	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 follage. Repeat application after 7 days if necessary.
	Mole Crickets	Apply 1-2 days before transplanting and immediately incorporate into the top i-2 inches of soil.
	Strawberry Leafrollers : 4-11bkin 100 gals.	Apply 200 gais. of spray per acre when blossoms show color.

Notes: (1) Do not apply more than 3 foliar applications per season (2) Do not apply more than 2 lbs. of product per acre per application and no more than 8 lbs. of product per acre per season. (3) Allow a minimum of 5 days between the last application and harver

Wainuts (CA only)	Aphids, Spider Mites	2 Ibs/in 100 gals. of water/per-acre	Apply as a foliar spray. Repeat application in 14 days if necessary.
	Cooling Moths, Scale Crawlers, Walnut Caterpillars	6 lbs. in 100 gals. of water per acre	- 1. 7. 24

Notes: (1) Do not apply more than 6 lbs. of product per acre per application. (2) Do not apply more than 18 lbs. of product per acre per season. (3) To avoid illegal residues, allow a minimum of 45 days between the last application and harvest and do not apply after husks open.

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CARRIE CRAWFORD

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Vegetable Crops - REI 24 HOURS

For foliar or soil applications. Diazinon 50WP should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil. Diazinon 50WP may be applied aerially or by ground application as specified in the following table. The specific amount of product to be used appears under the separate directions for use for each crop.

		Application	
	Minimum Gals./Acre	OR Minimum Gals./1,000 Sq. Ft.	Aerial Application Minimum Gals./Acre
Beans (seed treatment only) Lima, Pole and Snap		· ·	
Beets, Red (Table)		2	5
Broccoli	10	2	5
Brussels Sprouts	10	2	5
Cabbage	10	2	5
Cantaloupes		1	5.
Carrots	10	2	5
Casabas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	5
Cauliflower	10.046.5	2	5
Chinese Broccoli	10	2	5
Chinese Cabbage	10	2	5
Chinese Mustard	10	2	5
Collards	10		5
Crenshaws	5		5
		· · · · · · · · · · · · · · · · · · ·	
Endive (Escarole)	10 10	·····································	5
Ioneydew Melons	5		5
(ale	10	2	<u>к</u>
ettuce (Head and Leaf)	10	2	5
Muskmelons	5	1	······································
Mustard	10	2	<u>.</u>
Onions (Bulb and Green)	10	2	s
······			
Peas (Seed		igt Att	
treatment only)	1/2 oz. per bushel of	seed	
Persian Melons	5	1	5
Radishes	10	2	5
Spinach	10	2	5
		1.21 ⁻	
Sweet Corn	20	4	5
		2.	
lomatoes	10	2	5
Vatermelons	5	1	5

Observe stated time intervals between last application and harvest, as well as intervals between and maximum number of applications per season.

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Pre-Harvest Intervals (PHI*) for Foliar Applications

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Сгор	PHI* (Days)	Сгор	PHI* (Days)
		Letiuce (Head and Leaf)	14
Beets, Red (Table)	14	Muskmelons	3
Broccoli	7	Mustard	10
Brussels Sprouts	7 >>	Onions (Bulb and Green)	14
Cabbage	21		
Cantaloupes	3		
Carrots	14		
Casabas	3	Persian melons	3
Cauliflower	77		
Chinese Bloccoli	10	Radishes	14
Chinese Cabbage	10	Spinach	14
Chinese Mustard	10		
Coliards	10		
Crenshaws	3	Sweet Corn	7
Endive (Escarole)	14	Tomatoes	1
Honeydew Melon	3		
Kale	10	Watermelons	3

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

Note: (1) Soil Incorporation: Following application of this product to control vegetable soil insects, immediately incorporate the product into the soil to the recommended depth (see Timing/Special Directions) using a rotary hoe, cultivator, disk, harrow, or other suitable means. For control of surface cutworms, incorporate 2-3 inches, for subterranean cutworms incorporate 3-6 inches. (2) To Protect Bees: Foliar applications of this product should not be made to

corn during the pollen shed period.

Сгор	Pest	Rate	Timing/Special Directions
Beets, Red (Table)	Cutworms	4-8 lbs. per acre or 1½-3 oz. per 1,000 sq. II.	Broadcast just before planting and immediately incorporate into the soll. (See Soil Incorporation Note.)
	Mole Crickets	2 lbs. per acre or % oz. per 1,000 sq. lt.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 21/4-3 oz, per 1,000 sq. ft.	Broadcest just before planting and immediately incorporate into the top 4-8 inches of 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 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 organophospha resistant leafminers.

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rop	Pest	Rate	Timing/Special Directions
raccoli	Root Maggots	4-6 lbs. per acre or 1½-2¼ oz. per 1,000 sq. II.	Broadcast just before planting or transplanting an immediately incorporate into the top 3-4 inches of soil
		4-8 o2. in 50 gals. of water	In transplant water as a drench application when 200-300 gals, of water are used per acre. Apply ½-1 cup (4 to 8 oz.) per plant by hand or by tractor mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting
	Cutworms	4-8 lbs. per acre or 1½-3 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 <u>34 oz. per 1,000 sg. fl.</u>	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2¼-3 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 Cabbageworms,	V2-1 lb. per acre or 1/5-2/5 oz.	Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications.
	Dipterous Lealminers	per 1,000 sq. ft.	Do not apply within 7 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate- resistant lealminers.
ussels Sprouts	Root Maggots	4-6 lbs. per acre or 11/2-21/4 oz. per 1,000 sg. ft.	Broadcast just before planting or transplanting and immediately incorporate into the top 3-4 inches of soil.
		4-8 cz. in 50 gats' of water	In transplant water as a drench application when 200-300 gals, of water are used per acre. Apply ½-1 cup (4 to 8 oz.) per plant by hand or by tractor mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Note: Transplant water treatments may result in stand reduction due to plant stress at time of transplanting.
	Cutworms	4-8 lbs. per acre or ' 11/2-3 oz. per 1 000 sq. fl.	Broadcast just before planting and incorporate into the soil. (See Soil Incorporation Notes.)
	Mole Crickels	2 lbs. per acre or 34 oz. per 1,000 sq. ft.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs, pe: acre or 21⁄4-3 0z per 1,000 sg. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moths, Imported Cabbageworms	1/2-1 lb. per acre or 1/5-2/5 oz. per 1,000 su. ll.	Apply as insects occur. Repeat application, as necessary, up to 5 times, with a minimum of 7 days between applications. Do not apply within 7 days of harvest or illegal residues may occur.
Cabbage	Root Maggots	4-6 lbs. pr acre ↔ 1 ½ - 2 ¼ oz. per 1.000 sq. ft.	Broadcast just before planting or transplanting and immediately incorporate into the top 3-4 inches of soil.
		4-8 oz. in 50 gals, of water.	In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply ½ - 1 cup (4 to 8 oz.) per plant by hand or by tractor mounted sprayer equipped with crop 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 ½ - 3 oz. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Incorporation Note.)
	Mole Crickets	2 lbs. per acre or ¾ oz. per 1,000 sq. ft.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 1/5 – 2/5 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 Cabbageworms, Dipterous Leafminers	⅓ - 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 21 days of harvest, or illegal residues may occur. Note: Diazinon will not control organophosphate- Resistant leafminers.

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Стор	Pest	Rate	Timing/Special Directions
Carrots	Cutworms	4-8 lbs, per acre or 11/2-3 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 ¾ oz. per 1,000 sq. ft.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2/4-3 oz. 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 11/2 oz. per 1,000 sq. ft.	Apply as a drench to the seed furrow at planting.
	Aphids	1 lb. per acre or 2/5 oz. per 1,000 sq. fl.	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.
Cauliflower	Root Maggots	4-6 lbs. per acre or 11/2-21/4 oz. per 1,000 sq. ft.	Broadcast just before planting or transplanting and immediately incorporate into the top 3-4 inches of soll.
		4-8 oz. in 50 gals. of water	In transplant water as a drench application when 200-300 gals. of water are used per acre. Apply ½-1 cup (4 to 8 oz.) per plant by hand or by tractor mounted sprayer equipped with drop nozzles to direct spray to the base of the plant. Note: Transplant water treatments may result in stand
			reduction due to plant stress at time of transplanting.
	Cutworms	4-8 lbs: per acre or 11/2-3 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 ¾ oz. per 1,000 sq ft.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 214-3 oz. per 1,000 sq. fl.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moths, Imported Cabbageworms, Dipterous Leafminers	1⁄₂-1 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 minimum of 7 day between applications. Do not apply within 7 days of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate- resistant leafminers.
Chinese Broccoli, Chinese Cabbage Bok Choy and Napa), Chinese Mustard (Gai Choy)	Aphids, Diamondback Moths, Imported Cabbageworms, 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 learnings.
Collards	Cutworms	4-8 lbs, per acre or 11/2-3 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.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2¼-3 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 Cabbageworms, Harlequin Cabbagebugs, Corn Earworms	1⁄2-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft.	Apply as insects occur. Bepeat 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.

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Kale	Pest Cutworms Mole Crickets Wireworms Aphids, Dipterous Edufminers Cutworms MoletCrickets Wireworms MoletCrickets Wireworms Aphids, Diarlondback Moths, Importeo Cabbageworms Harlequin Cabbageburges Com Earworms	Rate 4-8 lbs. per acre or 1½-3 oz. per 1,000 sq. ft. 2 lbs. per acre or 34 oz. per 1,000 sq. ft. 6-8 lbs. per acre or 2¼-3 oz. per 1,000 sq. ft. ½-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft. 4-8 lbs. per acre or 1/2-3 oz. per 1,000 sq. ft. 2 lbs. per acre or 1/2-3 oz. per 1,000 sq. ft. 2 lbs. per acre or 34 oz. per 1,000 sq. ft. 2 lbs. per acre or 34 oz. per 1,000 sq. ft. 2 lbs. per acre or 34 oz. per 1,000 sq. ft. 5-8 lbs. per acre or 2¼-3 oz. per 1,000 sq. ft. 6-8 lbs. per acre or 2¼-3 oz. per 1,000 sq. ft. 5-8 lbs. per acre or 1/5-2/5 oz. per	Timing/Special Directions Broadcast just before planting and immediately incorporate into the soll. (See Soll Incorporation Note.) One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Broadcast just before planting and immediately incorporate 4-8 inches into soil. Apply as insects occur. Repeat application, as necessary, up to 5 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate- resistant leafminers. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
Lettuce Head and Leaf)	Wireworms Aphids, Dipterous Egaliminers Cutworms MoletCrickets Wireworms Aphids, Diaklondback Moths, Imported Cabbageworms, Harlequin Cabbageburges	2 lbs. per acre or 34 oz. per 1,000 sq. ft. 6-8 lbs. per acre or 214-3 oz. per 1,000 sq. ft. 1/2-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft. 4-8 lbs. per acre or 1/2-3 oz. per 1,000 sq. ft. 2 lbs. per acre or 34 oz. per 1,000 sq. ft. 6-8 lbs. per acre or 214-3 oz. per 1,000 sq. ft. 1/2-1 lb. per acre or	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Broadcast just before planting and immediately incorporate 4-8 inches into soil. Apply as insects occur. Repeat application, as necessary, up to 5 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate- resistant leafminers. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Broadcast just before planting and immediately
Lettuce (Head and Leaf)	Aphids, Dipterous Edafminers Cutworms Moleccrickets Wireworms Aphids, Dialtondback Moths, Imported Cabbageworms, Harlequin Cabbageburgs	214-3 oz. per 1,000 sq. ft. 1/2-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft. 4-8 lbs. per acre or 1/2-3 oz. per 1,000 sq. ft. 2 lbs. per acre or 34 oz. per 1,000 sq. ft. 6-8 lbs. per acre or 214-3 oz. per 1,000 sq. ft. 1/2-1 lb. per acre or	Incorporate 4-8 inches into soil. Apply as Insects occur. Repeat application, as necessary, up to 5 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate- resistant leafminers. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Broadcast just before planting and immediately
Lettuce (Head and Leaf)	Cutworms Cutworms Molèicrickets Wireworms Aphids, Dianondback Moths, Imported Cabbageworms, Harlequin Cabbageburgs	1/5-2/5 oz. per 1,000 sq. ft. 4-8 lbs. per acre or 1/2-3 oz. per 1,000 sq. ft. 2 lbs. per acre or 34 oz. per 1,000 sq. ft. 6-8 lbs. per acre or 21/3-3 oz. per 1,000 sq. ft. 1/2-1 lb. per acre or	necessary, up to 5 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate- resistant leafminers. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Broadcast just before planting and immediately
Lettuce (Head and Leaf)	Moleticrickets Wireworms Aphids, Dianlongback Moths, Imported Cabbageworms, Harlequin Cabbagebuggs	11/2-3 oz. per 1,000 sq. ft. 2 lbs. per acre or 34 oz. per 1,000 sq. ft. 6-8 lbs. per acre or 21/2-3 oz. per 1,000 sq. ft. 1/2-1 lb. per acre or	Note: Diazinon will not control organophosphate- resistant leafminers. Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.) One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Broadcast just before planting and immediately
Lettuce (Head and Leaf)	Moleticrickets Wireworms Aphids, Dianlongback Moths, Imported Cabbageworms, Harlequin Cabbagebuggs	11/2-3 oz. per 1,000 sq. ft. 2 lbs. per acre or 34 oz. per 1,000 sq. ft. 6-8 lbs. per acre or 21/2-3 oz. per 1,000 sq. ft. 1/2-1 lb. per acre or	incorporate into the soil. (See Soil Incorporation Note.) One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil. Broadcast just before planting and immediately
Lettuce (Head and Leaf)	Wireworms Aphids, Diarlongback Moths, Imported Cabbageworms, Harlequin Cabbagebuggs	¾ oz. per 1,000 sq. ft. 6-8 lbs. per acre or 2¼-3 oz. per 1,000 sq. ft. ½-1 lb. per acre or	immediately incorporate into the top 1-2 inches of soil. Broadcast just before planting and immediately
Lettuce (Head and Leaf)	Aphids, Diahongback Moths, Imported Cabbageworms, Aph Harlequin Cabbagebuggs	214-3 oz. per 1,000 sq. ft. Vz-1 ib. per acre or	Broadcast just before planting and immediately
Lettuce (Head and Leaf)	Cabbageworms, and Harlequin Cabbagebugas		moorperate may are top 4 6 mentor of com
Lettuce (Head and Leaf)		1,000 sq. ft.	Apply as insects occur. Repeat application, as necessary, up to 5 times, a minimum of 7 days between applications. Do not apply within 10 days of harvest or illegal residues may occur.
	Cutworms	station per acre or 1755 oz. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Notes.)
	Mole Crickets	2405: per acre or 3402: per 1000 sq. ft.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	611 lbs/per acre or 214-302. per 900 sq. ft.	Broadcast just before planting and immediately Incorporate into the top 4-8 inches of soil.
	Aphids, Dipterous Leafminers	Vz-1 10 Den Icre, or 1/5 - 2/5 02 - 06# 1,000 - 7-01.	Apply as insects occur. Repeat application, as necessary, up to 5 times with a minimum of 7 days between applications. Do not apply within 14 days of harvest.
			Note: Diazinon will not control organophosphate- resistant ealminers.
Casabas, Cranshaws,	Cutworms	4-8 lbs, per acre of 11/2-3 oz. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the soil. (See Soil Incorporation Note.)
Persians, and	Wireworms	6-8 lbs. per acre of 21/4-3 oz. per 1,000 sq. ft.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
Watermelons	Aphids, Dipterous Leafminers, Thrips, Striped Cucumber Beetles, Meionworms, Leafhoppers, Spider Mites	1⁄2-11∕2 ibs. per acre or 1/5-3/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application, as necessary fevery 7 days. Do not make more than 5 applications per season. Do not apply within 3 days of harvest or lifegal residues may occur. Note: Diazition will not control organophosphate- resistant training a.
Mustard	Mole Crickets	2 lbs. per acre or ¾ oz. per 1,000 sq. ft.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	6-8 lbs. per acre or 2¼-3 oz. per 1,000 sq. ft.	Broadcast just, before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Dipterous Leafminers, Diamondback Moths, Imported Cabbageworms	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.

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		Rate	Timing/Special Directions	
Onions (Bulb and Green)	Onion Maggots	4-8 lbs. per acre or 11/2-3 oz. per 1,000 sq. ft.	Broadcast just before planting and mix into the 3-4 inches of soil. (See Soil incorporation Note.) Note: Diazinon will not control organophosph resistant onion maggots.	
	Onion Thrips	1 lb. per acre or- 2/5 oz. per 1,000 sq. ft.	Apply as thrips appear. Repeat after 7 days, if necessa Do not make more than 3 applications per season. Do not apply within 14 days of harvest or illegal residu may occur.	
	Wireworms	6-8 lbs. per acre or 21/4-3 oz. per 1,000 sq. fl.	Broadcast just before planting and immediate incorporate into the top 4-8 inches of soil.	
ladishes	Cutworms	4-8 lbs. per acre or 11/2-3 oz. per 1,000 sq. ft.	Broadcast just before planting and immediate incorporate into the soil. (See Soil Incorporate Not	
	Mole Crickets	2 lbs. per acre or 3/4 oz. per 1,000 sq. ft.	One to two days before planting, broadcast a immediately incorporate into the top 1-2 inches of so	
	Wireworms	6-8 lbs. per acre or 21/4-3 oz. per 1,000 sq. ft.	Broadcast just before planting and immediate incorporate into the top 4-8 inches of soil.	
	Aphids, Flea Beetles, Dipterous Leafminers	72-1 lb. per acre or 1/5-2/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat application as necessa up to 3 times with a minimum of 7 days betwee applications. Do not apply within 14 days of harvest illegal residues may occur.	
			Note: Diazinon will not control organophosphat resistant leafminers.	
pinach	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 necessar up to 5 times, with a minimum of 7 days between applications. Do not apply within 14 days of harvest.	
	and the second sec		Note: Diazinon will not control organophosphat resistant leafminers.	
Sweet Corn	Cutworms	4-8 lbs. per acre or 11/2-3 oz. per 1,000 sq. tt	Broadcast just before planting and immediate incorporate into the soil. (See Soil Incorporation Note	
	Seed Corn Maggots	4-8 lbs. per acre or 11/2-3 oz. per 1,000 sq. ft.	Broadcast just before planting and immediate	
	Wireworms	6-8 lbs. per acre or 21/4-3 oz. per 1,000 sq. ft.	Broadcast just before planting and immediate incorporate into the top 4-8 inches of soil.	
	Corn Earworms	2-21/2 lbs. per acre or 34-1 oz. per 1,000 sq. ft.	Apply when sills, first appear. Repeat application eve 7 days up to a maximum of 5 applications, if necessar	
	Corn Leaf Aphids	1-2 ibs.per acre or 2/5-34 oz. per 1,000 sq. ft.	Apply in sufficient water to provide complete coverage to the upper portions of the plants. Repeat in 7 day if necessary. Do not make more than 5 application per season.	
	Grasshoppers, Spider Mites, Fleabeetles	1 lb. per acre or 2/5 oz. per 1,000 sq. ft.	Apply as insects occur. Repeat if necessary, but do n make more than Skapplications per season.	
	Sap Beetles	2-21/2 lbs. per acre or 3/4-1 oz. per 1,000 sq. ft.	Consult local agricultural authorities for proper timin of application. Repeat application in 7 days, if necessar Do not make more than 5 applications per season	
otes: (1) To protect ist application and	bees, do not apply foliarly t grazing or cutting for forag	o corn during the pollen sh e. (3) Corn may be picked	ed period. (2) Allow a minimum of 7 days between th 7 days after the last application.	

cation and	grazing or cutting for forage	e. (3) Corn may be picked	7 days after the last application.	
	Cutworms	4-8 lbs. per acre or 11/2-3 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 ¾ oz. per 1,000 sq. ft.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.	
	Wireworms	6-8 lbs. per acre or 21/4-3 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	
	Banded Cucumber Beetles, Fall Armyworms, Southern Armyworms, Beet Armyworms	3/-1 lb. per acre or 3/10-2/5 oz. per 1,000 sq. tt.	5 applications per season. Do not apply within one day of harvest or illegal residues may occur. Note: Diazinon will not control organophosphate resistant leafminers.	
	Vinegar Flies (Drosophila spp.)	1/2-11/2 lbs. per acre or 1/5-3/5 oz. per 1,000 sq. ft.		

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Mushroom flies (Phorida and Sciarids)

Mix 4-5 lbs. of this product in 50 gallons of water and spray on outside and inside walls, floors and sideboards of mushroom houses after compost has been pasteurized by heating. Also spray over the plastic covering the beds and trays after spawning. Note: Do not spray the compost. To avoid illegal residues, do not apply more than 3 applications to mushroom houses per crop.

Seed Treatment - Planter Box Treatment

Sec. Hallet

In the planter box, mix with seed as a dry mixture. Stir slightly using a mixing stick, DO NOL MIX WITH BARE HANDS. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. Donot 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 this product 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, ½ oz. of graphile 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. (3) Treated seed must not be used for or mixed with food or animal feed or processed for oil.

Corn

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Seedcorn Beelle: Mix 3 oz. per bushel of seed. Corn, Succulent Peas and Succulent Beans

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

Field Crops - REI 12 Hours

Apply soil and foliar applications of this product in sufficient water to ensure thorough coverage for foliar applications. Observe stated time intervals between last application and harvest, as well as intervals between applications and total number of applications that can be made per season:

Pre-Harvest Intervals (PHI*) For Foliar Applications

Сгор	PHI*
Hops	14
Sugar Beets	14

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

Field Crops - REI 12 Hours

Crop	Pest	Rate	Timing/Special Directions	
Hops	Aphids, Spider Mites	2 lbs, per acre	Apply as pest occur. Repeat applications, if necessar in 14 days. Do not make more than 4 applications pe season or apply within 14 days of harvest or illegi 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.	
	Beet Leafhoppers, Dipterous Leafniiners, Aphids	34-1 lb. per acre	Apply as insects occur. Repeat application, as necessary, up to 5 times per season with a minimum of 7 days between applications. Do not apply within 14 days of harvest. Note: Diazinon will not control organophosphate- resistant leafminers.	
	Grasshoppers	1 lb. per acre	Apply as insects occur. Repeat application, as necessary, up to 5 times per season with a minimum of 7 days between applications. Do not apply within 14 days of harvest.	

Note: Sugar beet lops may be fed to beef and dairy animals.

Grassland insects - REI 12 Hours

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

Grasshoppers: Apply 34-1 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.

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To control certain insects on ornamentals, such as Arborvitas, Azalea, Birch, Boxwood, Camellia, Carnalion, Chrysanihemum, Dougl Fir, Elm, Gladioli, Hawthorn, Holly, Juniper, Lilac, Locust, maple, Oak Pine, Ornamental Plum, Poplar, Rhododendron, Rose, Spruce at Willow, apply the recommended rates indicated below. Apply when pests first appear. Try to spray underside of leaves and penetrate dense foliac

	Amount of this product to Use	
Insects	Rate per 3 gals. water	Rate per 100 gais. wate
Aphids, Bagworms, Carnelion Bud Mites, Carnelion Shoot Mites, Clover Mites, Cyclamen Mites, Dipterous Leafminers, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leaftiers, Privet Mites, Scale Crawlers (Cottonycushion, Lecanium, Pine Needle, San Jose, Soft), Thrips, Two-Spotted Spider Mites, Juniper Webworms, Whiteflies	<i>V</i> ₂ 0Z.	1 lb.
Apple-and-Thorn Skeletonizers, Coloneaster Webworms, Fall Webworms, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars	11/2 oz.	3 !bs.

Note: Do not use on Ferns, Poinsettia, Hibiscus, Papaya, Piles, 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.