

19713-91

02/14/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Ms. Luz Chan
Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327

FEB 14 2012

Dear Ms. Chan:

Subject: Application for Pesticide Notification (PRN 98-10)
Revise Melons directions per limitations of manufacturing use product label
Drexel Diazinon Insecticide
EPA Reg. No. 19713-91
Your submission dated January 30, 2012

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated April 16, 2010 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions regarding this letter, please contact Dana Pilitt, Ph.D. at (703) 305-7071 or via e-mail at pilitt.dana@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Suarez", written over a horizontal line.

Mark Suarez
Product Manager 13
Insecticide Branch
Registration Division (7505P)



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration	OPP Identifier Number
<input type="checkbox"/>	Amendment	
<input checked="" type="checkbox"/>	Other	

Application for Pesticide - Section I

1. Company/Product Number 19713-91	2. EPA Product Manager Mark Suarez	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) DREXEL DIAZINON INSECTICIDE	PM# 13/Insecticide Branch	
5. Name and Address of Applicant (Include ZIP Code) Drexel Chemical Company P.O. Box 13327 Memphis, TN 38113-0327 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 Submission of revised label to comply with the terms of source manufacturing-use product.
 This notification is consistent with the provisions of PR Notice 98-10 and EPA Regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
				<input checked="" type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container less than 5 gallons; 5 gallons & greater		5. Location of Label Directions <input type="checkbox"/> on the label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name LUZ G CHAN	Title REGISTRATION MANAGER	Telephone No. (Include Area Code) (901) 774-4370
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title REGISTRATION MANAGER	
4. Typed Name LUZ G CHAN	5. Date January 30, 2012	



Drexel Chemical Company

January 30, 2012

Document Processing Desk (**NOTIF**)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Rm S-4900, One Potomac Yard
2777 S Crystal Drive
Arlington, VA 22202

**Re: Submission of Revised Label by Notification per PR Notice 98-10
DREXEL DIAZINON INSECTICIDE (EPA Reg. No. 19713-91)**

Herewith:

1. Completed EPA Form 8570-1
2. Two copies (marked and unmarked) of the label (91SP-0112*) with the following revisions:
 - On page 8, the directions for use on "Melons and Watermelons" and "Honeydew melons" were revised to comply with terms of source manufacturing-use product label.

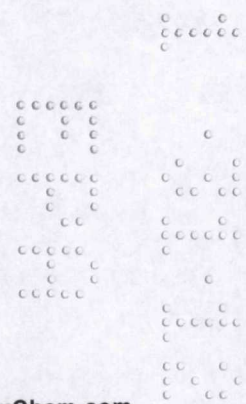
The changes were highlighted for easy reference.

If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370 or e-mail Lchan@drexchem.com.

Thank you.

Respectfully yours,
FOR DREXEL CHEMICAL COMPANY

Luz G. Chan
Luz G Chan
Registration Manager



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RESTRICTED USE PESTICIDE

Due to Avian and Aquatic Toxicity

For retail sale to and use by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicator's certification.

NOTIFICATION

FEB 14 2012

Drexel

Diazinon

Insecticide

For control of certain insects on Fruits, Nuts, Vegetables, Field crops and Ornamentals grown outdoors in nurseries.

ACTIVE INGREDIENT:

Diazinon 48.2%

OTHER INGREDIENTS*: 51.8%

TOTAL: 100.0%

* Contains xylene range aromatic solvent.

This product contains 4 pounds diazinon per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See **FIRST AID** Below

EPA Reg. No. 19713-91

EPA Est. No. 19713-XX-XXX

Net Content: _____

FIRST AID

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Do not give any liquid to the person.
- 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.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

NOTE TO PHYSICIAN: This product contains diazinon, an organophosphate that inhibits cholinesterase. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal, but should be administered only in conjunction with atropine. Contains petroleum distillates (xylene range aromatic solvent). May pose an aspiration pneumonia hazard.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed, or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes and clothing. Avoid contamination of food and feed. Food utensils, such as teaspoons or measuring cups, must not be used for food purposes after use in measuring pesticides. Keep out of reach of domestic animals. Do not use on humans or pets. Do not contaminate ornamental fish ponds. Be sure to read and follow "WORK SAFETY RULES" and Worker Protection precautions appearing in this booklet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical-resistance category selection chart. 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.

Mixers, loaders, applicators, and other handlers using engineering controls must wear: Long-sleeved shirt and long pants, chemical-resistant gloves such as barrier laminate, butyl rubber > 14 mils., nitrile rubber > 14 mils., or Viton > 14 mils. if mixing or loading, chemical-resistant apron if mixing or loading, and shoes plus socks. See engineering controls for additional requirements.

Handlers performing tasks, such as cleaning equipment or spill clean-up, for which engineering controls are not feasible must wear: Coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, chemical-resistant footwear plus socks, chemical-resistant apron if exposed to the concentrate, and a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH-approved respirator with an organic vapor (OV) cartridge or canister with an R or P or HE prefilter.

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

Manufactured By:

Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-3327

SINCE 1972

ENGINEERING CONTROLS

Mixers and loaders must use a closed system that meets the requirements listed in the Worker Protection Standard (WPS) for Agricultural Pesticides that provides dermal and inhalation protection [40 CFR 170.240(d)(4)], and must:

- 1) Wear the PPE required for mixers/loaders using engineering controls.
- 2) Wear protective eyewear, if the system operates under pressure.
- 3) Be provided and must have immediately available for use in an emergency, such as a broken package, spill, or equipment breakdown, chemical-resistant footwear and the respirator specified for handlers not using engineering controls.

Applicators using motorized ground equipment and flaggers supporting aerial applications to lettuce must use an enclosed cab that meets the definition in the WPS for Agricultural Pesticides [40 CFR 170.240(d)(5)] for dermal protection. In addition, applicators must:

- 1) Wear the PPE required in the PPE section of this labeling for handlers using engineering controls.
- 2) Either wear the respirator specified for handlers not using engineering controls or use an enclosed cab that is declared in writing by the manufacturer or by a government agency to provide at least as much respiratory protection as the respirator specified for handlers not using engineering controls.
- 3) Be provided, and have immediately available for use in an emergency when they must exit the cab in the treated area, coveralls, chemical-resistant footwear and - if not already using one - the respirator specified for handlers not using engineering controls.
- 4) Take off any PPE that was worn in the treated area before reentering the cab.
- 5) Store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

EXCEPTION: For applications to Apples and Lettuce, see directions for use for a special exception to these engineering controls requirements.

Pilots must use an enclosed cockpit in a manner that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)]. When entering or leaving an aircraft contaminated with pesticide residues, pilots must wear chemical-resistant gloves and must store used gloves in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cockpit.

Note: Aerial applications are permitted only on lettuce.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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. Do not exceed maximum permitted label rates. Rates above those recommended significantly increase potential hazards to birds, especially waterfowl. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment wash water. 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

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

GENERAL INFORMATION

DIAZINON Insecticide is an emulsifiable solution which, when diluted with water according to the directions, is intended for the control of insect pests of agricultural crops and other plants. Do not use in greenhouses. Do not use in barns or dwellings. Do not use on livestock. In "DIRECTIONS FOR USE" which follows, best control is obtained when application is made at first sign of pests. Application should be re-

peated only as needed to maintain control.

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 "FIRST AID" section of this label.

Note: The CA Department of Agriculture has set a 5-day re-entry period for this product on 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.

MIXING PROCEDURES

Thoroughly clean spray equipment before using this product. Prepare only the amount of spray mixture needed for the immediate application. Vigorous agitation is necessary for proper dispersal of this product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand in the spray tank overnight. Flush the spray equipment thoroughly following each use.

THIS PRODUCT ALONE — Add half of the required amount of water to the mix tank. With the agitator running, add this product to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after this product has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

THIS PRODUCT IN TANK-MIXTURES — **Note: Do not mix this product with any formulation of Captan or Captec® because crop injury may occur.** This product is compatible with most insecticide and fungicide products; however, physical compatibility with tank-mix partners should be tested before use. Using a quart jar, add the proportionate amounts of each product to 1 quart of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be readily remixed, the products are compatible. Once compatibility has been proven, add half of the required amount of water to the mix tank. Start the agitator running before adding any tank-mix partners. Add tank-mix partners in this order: all products in water-soluble packaging, wettable powders, wettable granules (dry flowables) liquid flowables, liquids and emulsifiable concentrates. Always allow each tank-mix partner to fully disperse before adding the next product. Maintain sufficient agitation while adding the remainder of the water and until all of the mixture has been applied. When using this product in tank-mixture, observe all directions for use, crop/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank-mix product's label. Confirm that the tank-mixture is safe to the crop by spraying a small area first and evaluating crop safety after an appropriate period. Do not treat larger areas until crop safety has been confirmed.

DIRECTIONS FOR USE

RESTRICTED USE PESTICIDE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. **REFORMULATION OR REPACKAGING OF THIS PRODUCT IS PROHIBITED.** To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, since crop or plant injury may result. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, 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), notification to worker,

(Continued)

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AGRICULTURAL USE REQUIREMENTS (Cont'd.)

and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI. The REI for each crop is listed in the directions for use associated with each crop. **EXCEPTION:** If the product is soil-injected or soil incorporated, the WPS, 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 into treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls worn over long-sleeve shirt and long pants, chemical-resistant gloves made of any waterproof material, chemical-resistant footwear plus socks, and chemical-resistant headgear, if overhead exposures.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY OR ILLEGAL RESIDUES.

SPRAY EQUIPMENT

Applications of this product using sufficient water volume to provide thorough and uniform coverage generally provide the most effective pest control. To avoid spray drift, do not apply when conditions favor drift from beyond the target area. Avoid overlap because crop injury may occur. Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Calibrate sprayer before use. For more information on spray equipment and calibration, consult sprayer manufacturers and state recommendations. For specific local directions and spray schedules, consult your local or state agricultural authorities.

AERIAL APPLICATION

Aerial applications are permitted only in Lettuce. Avoid application when uniform coverage will not result or when excessive spray drift may occur. Do not allow product to contact animals or unprotected persons.

CHEMIGATION

Application Through an Irrigation System

This product may be applied alone or in combination with other pesticides registered for application through sprinkler, including center pivot, lateral move, end tour side (wheel) roll, traveler, big gun, solid set or hand move, or drip (trickle) irrigation systems (including surface and subsurface). Do not apply this product through any other type of irrigation system. To ensure compatibility, pour the products into a small container of water in the correct proportions. After thorough mixing, let stand for 5 minutes. If the combination remains mixed or can be remixed readily, the mixture is compatible. 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 and Drip (Trickle) Chemigation

1. The system must contain a functional check valve, a vacuum relief

- valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional, interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not use sprinkler chemigation 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 this product needed to treat the acreage to be treated. Refer to the specific directions for use for the application rate and the amount of water per acre.
3. Add the pre-measured amount of this product to the chemigation system supply tank and dilute with water if needed. Proper agitation is needed if this product is tank-mixed with other pesticides registered for sprinkler or drip 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 this product 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.

Note: When treatment with this product has been completed, further field irrigation over the treated area should be avoided for 48 hours to prevent washing the product off of the crop. Apply this product only in sufficient irrigation water to achieve thorough plant coverage. Excess water will wash the product from the plant, resulting in poor control. To avoid a hazard to animals, wells, or adjoining crops, do not allow irrigation water to collect or runoff.

FRUIT AND NUT CROPS

This product may be applied using ground application equipment as specified in the following table. This table indicates the minimum amount of water that can be used for the various methods of application. The rate of this product for concentrated spray applied to Fruit trees by ground equipment is based on a dilute full cover spray applied with conventional ground equipment at a rate of 300 to 400 gallons of water per acre. The specific amount of product to be used appears under the separate directions for use for each crop. If the rate calls for 1 pint of this product in 100 gallons of water, this amounts to 3 to 4 pints of product per acre when applied at the usual dilute ground spray volumes of 300 to 400 gallons of water per acre. In no case should the amount of product used per acre exceed the maximum amount per acre per application that is specified in the "TIMING/SPECIAL DIRECTIONS" for individual crops.

Crops	Ground Application Minimum Gals. per Acre	
	Dilute	Concentrate
Almonds*	100	20
Apricots	100	20
Blackberries**	100	20
Blueberries	100	20
Boysenberries**	100	20
Cherries	100	20
Cranberries	15	-
Dewberries**	100	20
Loganberries**	100	20
Nectarines	100	20

(Continued)

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(Cont.)		
Crops	Ground Application Minimum Gals. per Acre	
	Dilute	Concentrate
Peaches	100	20
Plums	100	20
Prunes	100	20
Raspberries**	100	20
Strawberries	100	20

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

Observe stated time intervals between last application and harvest (PHI), as well as intervals between applications and total amount of product that can be applied per season.

Crops	PHI (Days)
Almonds	Dormant spray only
Strawberries	5
Blackberries, Blueberries, Boysenberries, Cranberries, Dewberries, Loganberries, Raspberries	7
Apricots, Cherries, Nectarines, Peaches, Plums, Prunes	21

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

Crops	Pests	Rate
Almonds (CA only) (REI = 7 days)	Parlatoria scales, San Jose scales	1 to 1.5 pts. + 2 to 3 gals. dormant oil or 1 to 1.5 gals. superior type oil in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Apply as a dormant spray. Do not apply more than 6 pts. of this product or 9 gals. of oil per acre. Applications should be made every other year unless infestations can be controlled only with consecutive annual treatments.	
Apricots (REI = 4 days)	Aphids, Brown mites (Clover mites), Olive scale crawlers, San Jose scale crawlers, Twospotted spider mites	1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Apply when infestations occur.	
	Apricot mealybugs	1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Apply as a single cover spray between petal fall to June.	
	Olive scale crawlers	0.5 pt. + 1.5 gals. of light medium horticultural oil per 100 gals. of water
TIMING/SPECIAL DIRECTIONS: Apply when Scale crawlers are present.		

Note: 1) Make only one application during the growing season. Apply every other year, unless pest infestation can be controlled only with consecutive annual treatments. One application during the dormant season can also be made. 2) Do not apply more than 4 pts. of this product per acre per application per season. 3) To avoid illegal residues, allow a minimum of 21 days between application and harvest.

Crops	Pests	Rate
Blueberries (REI = 5 days)	Aphids, Blueberry maggots, Cherry fruitworms, Cranberry fruitworms, Thrips, Twospotted spider mites	1 pt. per 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Apply when infestations occur.	
	Fire ants	1 pt. per 100 gals. of water
TIMING/SPECIAL DIRECTIONS: To aid in the control of Fire ants in Blueberry fields, slowly apply 1 gal. of diluted mixture over and 6 inches around each mound. Apply gently to avoid disturbing ants. Use equipment capable of delivering the diluted product as a gentle rain. High pressure sprays may disturb the ants and cause migration, reducing product effectiveness. For best results, apply in cool weather, 65-80°F, or in early morning or late evening hours.		

Note: 1) Make only one application per year for foliar pests. A maximum of one application per year for fire ant control is also permitted. 2) Do not apply more than 2 pts. of this product per acre per season. 3) To avoid illegal residues, allow a minimum of 7 days between application and harvest.

Caneberries (Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries) CA, OR and WA only (REI = 5 days)	Raspberry fruitworms	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: Apply in a minimum of 100 gals. of water per acre (200 gals. per acre maximum). Make one application when blossom buds separate or immediately before blossoms open.	
	Raspberry crown borers (Raspberry root borers)	2 qts. per acre
TIMING/SPECIAL DIRECTIONS: Apply in a minimum of 100 gals. of water per acre as a drench to the crown and lower canes in the Spring before buds break.		

Note: 1) Make only one application per year. 2) To avoid illegal residues, allow a minimum of 7 days between application and harvest.

Cherries (REI = 4 days)	Black cherry aphids	1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Apply as a cover spray when Aphids appear.	
	Cherry fruitflies	0.5 to 1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Make application beginning when adult Flies begin to emerge.	
	Eyespotted bud moths, Fruit tree leafrollers	1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Apply as cover sprays when infestations occur beginning at petal fall.	
	Leafhoppers	1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Make application beginning at petal fall when infestations occur.	
	San Jose scale crawlers	1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Apply during the pre-pink stage or when crawlers first appear.	

Note: 1) Make only one application during the growing season. Apply every other growing season, unless pest infestation can be controlled only with consecutive annual treatments. One application during the dormant season can also be made. 2) Do not apply more than 4 pts. of this product per acre per application per season. 3) To avoid illegal residues, allow a minimum of 21 days between application and harvest.

(Continued)

Crops	Pests	Rate
Cranberries (REI = 5 days)	Blackheaded fireworms (<i>Rhopobota naevana</i>)	2 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Apply to larval stage. Pheromone trap captures and sweep monitoring may be used to optimize treatment timing. Repeat application after 14 days, if necessary.	
	Cranberry fruitworms	2 to 3 qts. per acre
	TIMING/SPECIAL DIRECTIONS: 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.	
	Cranberry tipworms	2 qts. per acre
TIMING/SPECIAL DIRECTIONS: Presence of damage is not an indicator of active infestation. For best results, target early-stage larvae. Repeat application after 14 days, if necessary.		
Note: 1) A maximum of three applications per year can be made. 2) This product may be applied to Cranberries via ground or sprinkler irrigation. For ground application, apply the product in a minimum of 15 gals. of water per acre; for chemigation up to 400 gals. of water per acre. Refer to the "CHEMIGATION" section of this label for specific chemigation directions. 3) Do not use water from irrigated or flooded Cranberry beds for drinking purposes or to irrigate crops other than those on EPA-approved diazinon labels. 4) To avoid illegal residues, allow a minimum of 7 days between the last application and harvest.		
Nectarines (REI = 4 days)	Aphids, Brown mites (Clover mites), Olive scale crawlers, Peach twig borers, San Jose scale crawlers, Twospotted spider mites	1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Apply when infestations occur.	
	Oriental fruit moths	1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Apply at 100% petal fall.	
Note: 1) Make only one application during the growing season. Apply every other year, unless pest infestations can be controlled only with consecutive annual treatments. One application during the dormant season can also be made. 2) Do not apply more than 4 pts. of this product per acre per application per season. 3) To avoid illegal residues, allow a minimum of 21 days between application and harvest.		
Peaches (REI = 4 days)	Aphids, Brown mites (Clover mites), Olive scale crawlers, San Jose scale crawlers, Twospotted spider mites	1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Apply when infestations occur.	
	Leafhoppers	1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Make application beginning at petal fall when pests occur.	
	Oriental fruit moths	1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Apply at 100% petal fall.	
	Peach twig borers	1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Apply when insects occur in May and June.	
White peach scales	1.5 to 2 pts. in 100 gals. of water	
TIMING/SPECIAL DIRECTIONS: Apply post-harvest, timed to coincide with peak crawler and immature Scale activity. Do not apply before fruit is harvested.		
<i>(Continued)</i>		

Crops	Pests	Rate
Note: 1) Make only one application during the growing season. Apply every other year, unless pest infestations can be controlled only with consecutive annual treatments. One application during the dormant season can also be made. 2) Do not apply more than 4 pts. of this product per acre per application per season. 3) To avoid illegal residues, allow a minimum of 21 days between application and harvest.		
Plums, Prunes (REI = 4 days)	Brown mites (Clover mites), European red spider mites	1 pt. in 100 gals. of water
	Leafcurl plum aphids, Mealy plum aphids, Thistle aphids	0.5 to 1 pt. in 100 gals. of water
Note: 1) Make only one application during the growing season. Apply every other year, unless pest infestations can be controlled only with consecutive annual treatments. One application during the dormant season is also allowed. 2) Do not apply more than 4 pts. of this product per acre per application per season. 3) To avoid illegal residues, allow a minimum of 21 days between application and harvest.		
Strawberries (REI = 3 days)	Aphids, Twospotted spider mites	1 pt. in 100 gals. of water per acre
	TIMING/SPECIAL DIRECTIONS: Apply when pests occur.	
	Cyclamen mites	1 qt. in 100 gals. of water per acre
	TIMING/SPECIAL DIRECTIONS: Direct spray to the plant crowns. Plants should be sufficiently agitated to assure thorough coverage of the foliage.	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast in sufficient water to obtain even coverage when insects are present. Apply 1 to 2 days before transplanting and immediately incorporate into the top 1 to 2 inches of soil.	
	Strawberry leafrollers	0.75 to 1 pt. in 100 gals. of water
	TIMING/SPECIAL DIRECTIONS: Apply 200 gals. of spray per acre when blossoms show color.	
Note: 1) Do not make more than one foliar and one soil application per crop. 2) To avoid illegal residues, allow a minimum of 5 days between application and harvest.		

VEGETABLE CROPS

For foliar or soil applications, this product should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil. This product may be applied using ground equipment as specified in the following table. This table indicates the minimum amount of water that can be used. The specific amount of this product to be used appears under the separate directions for use for each crop.

Crops	Ground Application		Aerial Application
	Minimum Gals. per Acre	Minimum Gals. per 1,000 Sq. Ft.	Minimum Gals. per Acre
Beets (Red table)	10	2	DO NOT USE
Broccoli	10	2	
Brussels sprouts	10	2	
Cabbage	10	2	
Cantaloupe	5	1	
Carrots	10	2	
Casaba melons	5	1	
Cauliflower	10	2	
Collards	10	2	
Crenshaw melons	5	1	
<i>(Continued)</i>			

Crops	Ground Application		Aerial Application
	Minimum Gals. per Acre	Minimum Gals. per 1,000 Sq. Ft.	Minimum Gals. per Acre
Endive (Escarole)	10	2	DO NOT USE
Ginseng	10	2	
Honeydew melons	5	1	
Kale	10	2	
Lettuce (Head)	10	2	
Lettuce (Leaf)	10	2	
Muskmelons	5	1	
Mustard Greens	10	2	
Onions (Bulb and Green)	10	2	
Persian melons	5	1	
Radishes	10	2	DO NOT USE
Rutabagas	10	2	
Spinach	10	2	
Tomatoes	10	2	
Watermelons	5	1	

Observe stated maximum numbers of applications per season. Do not apply to food crops grown in greenhouses.

Note: 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 to 3 inches; for subterranean cutworms, incorporate 3 to 6 inches.

Crops	Pests	Rate
Beets (Red table) (REI = 3 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
	Wireworms	3 to 4 qts. per acre
TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.		

Note: Do not make more than one soil application per year.

Broccoli (REI = 4 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
	Root maggots	2 to 3 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 3 to 4 inches of soil.	
	Root maggots	4 to 8 fl. ozs. per 50 gals. of water
TIMING/SPECIAL DIRECTIONS: In transplant water as a drench application when 200 to 300 gals. of water are used per acre, apply 0.5 to 1 cup (4 to 8 fl. ozs.) per plant by tractor-mounted		

(Continued)

Crops	Pests	Rate
Broccoli (REI = 4 days) (Cont.)	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.	
	Wireworms	3 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.	

Note: Do not make more than one soil application per year.

Brussels sprouts (REI = 4 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
	Root maggots	2 to 3 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 3 to 4 inches of soil.	
	Root maggots	4 to 8 fl. ozs. per 50 gals. of water
TIMING/SPECIAL DIRECTIONS: In transplant water as a drench application when 200 to 300 gals. of water are used per acre, apply 0.5 to 1 cup (4 to 8 fl. ozs.) per plant 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.		
Wireworms		
3 to 4 qts. per acre		
TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into top 4 to 8 inches of soil.		

Note: Do not make more than one soil application per year.

Cabbage (REI = 4 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
	Root maggots	2 to 3 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 3 to 4 inches of soil.	
	Root maggots	4 to 8 fl. ozs. in 50 gals. of water
TIMING/SPECIAL DIRECTIONS: In transplant water as a drench application when 200 to 300 gals. of water are used per acre, apply 0.5 to 1 cup (4 to 8 ozs.) per plant 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 stress at time of transplanting.		

(Continued)

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Crops	Pests	Rate
Cabbage (REI = 4 days) (Cont.)	Wireworms	3 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.	
Note: Do not make more than one soil application per year.		
Carrots (REI = 3 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
	Wireworms	3 to 4 qts. per acre
TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.		
Note: Do not make more than one soil application per year.		
Cauliflower (REI = 4 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
	Root maggots	2 to 3 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 3 to 4 inches of soil.	
	Root maggots	4 to 8 fl. ozs. in 50 gals. of water
TIMING/SPECIAL DIRECTIONS: In transplant water as a drench application when 200 to 300 gals. of water are used per acre, apply 0.5 to 1 cup (4 to 8 fl. ozs.) per plant 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.		
Wireworms	3 to 4 qts. per acre	
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.	
Note: Do not make more than one soil application per year.		
Collards (REI = 4 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
	Wireworms	3 to 4 qts. per acre
TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.		
Note: Do not make more than one soil application per year.		

Crops	Pests	Rate
Endive (Escarole) (REI = 4 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
Wireworms	3 to 4 qts. per acre	
	TIMING/SPECIAL DIRECTIONS: Broadcast before planting and immediately incorporate into the top 4 to 8 inches of soil.	
Note: Do not make more than one soil application per year.		
Ginseng (REI = 3 days)	Aphids, Flea beetles, Jumping plant lice, Leafhoppers, Lygus bugs	0.75 to 1 pt. per acre
	TIMING/SPECIAL DIRECTIONS: Spray when insects first appear. For heavy insect infestations, use 1 pt. per acre. Apply by ground equipment using 10 to 100 gals. of water per acre. Do not apply during flowering of 3 or 4 year old crops. Do not apply within 30 days of harvest. Do not graze treated areas or feed treated forage to livestock.	
Note: Do not make more than one foliar application per year.		
Kale (REI = 4 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
	Wireworms	3 to 4 qts. per acre
TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.		
Note: Do not make more than one soil application per year.		
Lettuce (REI = 3 days)	Aphids, Dipterous leafminers	0.5 to 1 pt. per acre
	TIMING/SPECIAL DIRECTIONS: Apply when insects occur. Do not make more than one foliar application per crop season. Do not apply within 14 days of harvest or illegal residues may occur. Aerial application is permitted. EXCEPTION for Lettuce: Applicators applying to Lettuce are permitted to use open-cab equipment, PROVIDED they are wearing chemical-resistant PPE specified in this labeling for handlers not using engineering controls. Note: This product will not control organophosphate-resistant Leafminers.	
Cutworms	2 qts. per acre	
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
Wireworms	2 qts. per acre	
(Continued)		

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Crops	Pests	Rate
Lettuce (REI = 3 days) (Cont.)	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.	
Note: Do not make more than one soil and one foliar application per crop. Do not apply more than 2 lbs. a.i. (2 qts. of this product) per acre per season.		
Melons (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians and Hybrids of these) and Watermelons (REI = 3 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Wireworms	3 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.	
Note: Do not make more than one soil application per year.		
Honeydew melons (REI = 3 days)	Aphids, Dipterous leafminer, Thrips, Striped cucumber beetle, Melonworms, Leafhoppers, Spider mites	0.5 to 1.5 pts. per acre
	TIMING/SPECIAL DIRECTIONS: Apply when infestation occurs.	
Note: Do not make more than one foliar application per year, regardless of target pest.		
Mustard greens (REI = 4 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
	Wireworms	3 to 4 qts. per acre
TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.		
Note: Do not make more than one soil application per year.		
Crops	Pests	Rate
Onions (Bulb and Green), Garlic, Leeks, Spring onions or scallions, Japanese bunching onions, Green shallots, Green eschalots (REI = 3 days)	Onion maggots	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and mix into the top 3 to 4 inches of soil.	
	Note: This product will not control organophosphate-resistant Onion maggots.	
	Wireworms	3 to 4 qts. per acre
TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.		
Note: Do not make more than one soil application per year.		
Radishes (REI = 3 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
	Wireworms	3 to 4 qts. per acre
TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.		
Note: Do not make more than one soil application per year.		

Crops	Pests	Rate
Rutabagas (REI = 4 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole Crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
Wireworms	3 to 4 qts. per acre	
TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.		
Note: Do not make more than one soil application per year.		
Spinach (REI = 3 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into top 1 to 2 inches of soil.	
Wireworms	3 to 4 qts. per acre	
TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.		
Note: Do not make more than one soil application per year.		
Tomatoes (REI = 2 days)	Cutworms	2 to 4 qts. per acre
	TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the soil. (See "Soil Incorporation Note".)	
	Mole crickets	1 qt. per acre
	TIMING/SPECIAL DIRECTIONS: One to two days before planting, broadcast and immediately incorporate into the top 1 to 2 inches of soil.	
	Vinegar flies (<i>Drosophila spp.</i>)	0.5 to 1.5 pts. per acre
	TIMING/SPECIAL DIRECTIONS: Apply as insects appear. Repeat application, as necessary, every 7 days. Do not make more than 5 applications per season. Do not apply within 1 day of harvest or illegal residues may occur.	
Wireworms	3 to 4 qts. per acre	
TIMING/SPECIAL DIRECTIONS: Broadcast just before planting and immediately incorporate into the top 4 to 8 inches of soil.		
Note: Do not make more than one soil application per year.		

INSECT CONTROL ON ORNAMENTALS GROWN OUTDOORS IN NURSERIES (REI = 7 days for flowers and other commercial ornamentals grown for cutting and 2 days for all other commercial ornamentals)

Application is permitted only on commercial ornamentals grown outdoors in nurseries.

To control certain insects on Arborvitae, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Crab apple, Dogwood, Douglas fir, Elm, Euonymus, Gladioli, Hawthorn, Holly, Honey locust, Honey-suckle, Juniper, Lilac, Lily, Locust, Maple, Marigold, Oak, Pansy, Petunia, Pine, Ornamental plum, Poplar, Rhododendron, Rose, Scotch pine, Spirea, Spruce, Sycamore, Wax plant (Hoya), Willow, Yellowwood and Yew, apply the recommended rates indicated below. Spray when listed pests first appear. Try to spray underside of leaves and penetrate dense foliage. Repeat as necessary.

USE PRECAUTION: Do not use on Ferns, Gardenias, Hibiscus, Papyrus, Pilea and Poinsettias since injury to the plants may occur.

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Insects	Amount of This Product To Use	
	Rate Per 3 Gals. of Water	Rate Per 100 Gals. of Water
Aphids, Bagworms, Carnation bud mites, Carnation shoot mites, Clover mites, Cyclamen mites, Dipterous leafminers, European pine shoot moths, European red spider mites, Flea beetles, Holly bud moths, Juniper webworms, Leafhoppers, Obscure root weevils, Omnivorous leaf tiers, Privet mites, Scale crawlers (Cottony cushion, Lecanium, Pine needle, San Jose, Soft), Thrips, Twospotted spider mites, Whiteflies	0.5 fl. oz.* (1 Tbsp.)	1 pt.** (16 fl. oz.)
Apple-and-thorn skeletonizers, Cotoneaster webworms, European pine sawfly, Fall webworms, Hemlock chermes, Oak loopers, Obliquebanded leafrollers, Pearslugs, Tent caterpillars	1.5 fl. oz.* (3 Tbsps.)	2 pts.** (32 fl. oz.)
Notes: Do not make more than one foliar application per year. Do not apply more than 1 lb. a.i. (32 fl. ozs. of this product) per acre.		
* 1 fl. oz. = 2 tablespoons		
** 16 fl. ozs. = 1 pint		

MIMOSA WEBWORMS: Mix 0.5 fluid ounce in 3 gallons of water (or 1 pint in 100 gallons of water) and apply as a thorough foliar spray when adults first appear. Do not make more than one foliar application per crop season.

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: 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 the concentrate, 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 rinsate 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 DISPOSAL:

Nonrefillable Container (rigid material; less than 5 gallons):

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid material; 5 gallons up to < 250 gallons):

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Container (≥ 250 gallons & Bulk):

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

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 1-800-424-9300 (CHEMTREC) day or night.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

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Drexel Chemical Company

**FOR USE IN CALIFORNIA
EPA REG. NO. 19713-91**

DIRECTIONS FOR USE

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

READ ENTIRE LABEL AND PAMPHLET, USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

FOR PROTECTION OF AQUATIC SPECIES IN COUNTIES AND PORTIONS OF COUNTIES LOCATED IN THE SACRAMENTO AND SAN JOAQUIN VALLEYS BELOW 1000 FEET ELEVATION FROM POTENTIAL CONTAMINATION IN SURFACE WATERS OF DIAZINON APPLIED DURING THE DORMANT SPRAY PERIOD, THE FOLLOWING ADDITIONAL LABEL REQUIREMENTS APPLY:

- Dormant applications on orchard crops are restricted to ground application equipment only.
- Do not apply within 100 feet upslope of "sensitive aquatic sites" such as any irrigation ditch, drainage canal or body of water that may drain into a river or tributary unless a suitable method is used to contain or divert runoff waters. Waters that are contained or diverted must be held for a minimum of 72 hours before release into a sensitive aquatic site.
- Maintain a vegetative buffer strip a minimum of 10 feet wide from the edge of a field that is adjacent to and within 100 feet of sensitive aquatic sites.
- Do not apply this product to orchards when soil moisture is at field capacity, and/or when a storm event likely to produce runoff from the treated orchard is forecasted by NOAA/NWS (National Weather Service), to occur within 48 hours following application.
- Make dormant applications only when insect scouting information or the recommendation of a Pest Control Advisor indicate treatment is required. (See UC IPM Guidelines for San Jose Scale in stone fruits and almonds and aphids in stone fruits. Use the prune dormant spur sampling program to determine need for a dormant treatment in that crop).
- Apply only when wind speed is 3 to 10 mph at the application site as measured by an anemometer outside of the orchard on the side nearest and upwind from a sensitive site.
- When sensitive aquatic sites are downwind from orchards, spray the first three rows nearest the sensitive aquatic sites only when the wind is blowing away from the sites. The row at the edge of the field next to sensitive aquatic sites must be sprayed with the outside nozzles turned off. Spray must not be directed higher than the tree canopy and spray must be directed away from sensitive aquatic sites.
- The Stewardship Bulletin "Orchard Practices for Protecting Surface Water", must be available to handlers and equipment operators at the application site during all application activities. (Note: Bulletin available through CURES)

THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF PESTICIDE APPLICATION. PLEASE REFER TO CONTAINER LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.