



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 66222-9	2. EPA Product Manager Pilitt	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) Diazol AG500	PM# IRB (Team 13)	
5. Name and Address of Applicant (Include ZIP Code) Makhteshim-Agan of North America, Inc. 551 Fifth Avenue, Suite 1100 New York, NY 10176 <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 _____	NOTIFICATION JUL 31 2003
<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.)

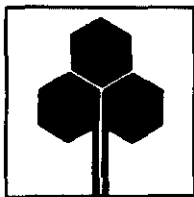
NOTIFICATION OF ALTERNATE BRAND NAME. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 USC 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 type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
* Certification must be submitted				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> 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 Anne Stout		Title Registration Specialist		Telephone No. (Include Area Code) 901-861-4400	
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 Specialist			
4. Typed Name Anne Stout		5. Date 7-18-03			



MAKHTESHIM
A G A N
of
North America
Inc.

July 18, 2003

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
USEPA
Ariel Rios Building
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Attn: Dr. Dana Pilitt
Team 13

Re: Diazinon AG500
EPA Reg. No. 66222-9
Notification of Alternate Brand Name

Dear Dr. Pilitt:

Makhteshim-Agan of North America, Inc. notifies the Agency of its intention to market the referenced product under the alternate brand name **Diazinon AG500**.

In support of this request, the following documents are attached:

- Application for Pesticide Registration
- One copy of final printed labeling
- One copy of last EPA stamped labeling

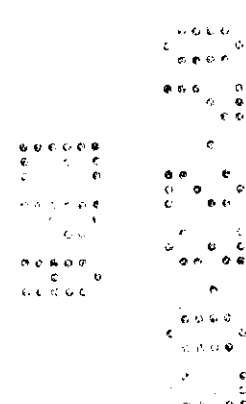
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false 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.

Should you have questions about this submission, please contact me at 901-861-4400.

Sincerely,

Anne Stout
Registration Specialist

Enclosures



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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.

DIAZINON AG500

Insecticide

For control of certain insects on fruits, nuts, vegetables, field crops, and
ornamentals grown outdoors in nurseries

NOTIFICATION

JUL 3 1 2003

ACTIVE INGREDIENT:

Diazinon: O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate

% BY WT.

48.0%

INERT INGREDIENTS*

52.0%

TOTAL 100.0%

Contains 4 lbs. diazinon per gallon

*Contains xylene range aromatic solvent

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

Contains an organophosphate that inhibits cholinesterase

IF SWALLOWED:

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

IF IN EYES:

- Do not give anything by mouth to an unconscious or convulsing person.
- 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 ON SKIN OR CLOTHING:

- 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 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 further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

NOTE TO PHYSICIAN: This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. This product contains a xylene range aromatic solvent which may present an aspiration hazard. Vomiting may cause aspiration pneumonia. Gastric lavage may be indicated if product was taken internally.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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

NET CONTENTS: 2 1/2 GALLON(S)



Makhteshim-Agan of North America, Inc.
551 Fifth Avenue, Suite 1100
New York, NY 10176

EPA Reg. No. 66222-09
EPA Est. No. 11678-ISR-002

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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.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, butyl or nitrile rubber ≥ 14 mils, or Viton ≥ 14 mils
- Shoes plus socks

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.

ENGINEERING CONTROLS STATEMENT: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on 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. Because of the migratory habits of Atlantic coast waterfowl, do not apply this product to lawns in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted label rates. Rates above those recommended significantly increase potential hazards to birds, especially waterfowl. Avoid overlapping of sprays. On lawns, if waterfowl (ducks or geese) can be expected in the treated area after treatment (except spot treatment), apply at least $\frac{1}{4}$ 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 or 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 pesticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

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

DIRECTIONS FOR USE

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.

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, 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) and restricted-entry interval. 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, soil, or water is:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate, butyl or nitrile rubber ≥ 14 mils, or Viton ≥ 14 mils
- Shoes plus socks

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 Diazinon AG500, 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. When handling this product, wear the personal protective equipment listed on this label.

In the directions for use which follow, best control is obtained when application is made at the first sign of insects. Applications should be repeated as necessary to maintain control.

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GENERAL INFORMATION

Diazinon AG500 is an emulsifiable solution which, when diluted with water according to the directions, is intended for the control of insect pests of agricultural crops and other plants. Do not use on food crops grown in greenhouses. Do not use in barns or dwellings. Do not use on livestock.

In the directions for use which follow, best control is obtained when application is made at first sign of pests. Application should be repeated only as directed to maintain control.

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

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

Failure to follow the directions for use and precautions on this label may result in poor insect control, crop injury, or illegal residues.

PREHARVEST INTERVAL

The required days to wait between the last application and harvest are given in () after each crop name.

FRUIT AND NUT CROPS - REI 24 hours

Diazinon AG500 may be applied using ground or aerial 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 Diazinon AG500 for aerial spray or 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 300-400 gals. 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 pt. of Diazinon AG500 in 100 gals. of water, this amounts to 3 - 4 pts. of product per acre when applied at the usual dilute ground spray volumes of 300 - 400 gals. 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 **COMMENTS** section for individual crops.

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.

Diazinon AG500 may be used during dormancy on deciduous trees and vines. When mixing with spray oils, follow oil manufacturer's use directions.

CROP	AERIAL APPLICATION MINIMUM GALS./ACRE	GROUND APPLICATION MINIMUM GALS./ACRE	
		Dilute	Concentrate
Almonds*	20	100	20
Apricots	20	100	20
Blackberries**	20	100	20
Blueberries	20	100	20
Boysenberries**	20	100	20
Cherries	20	100	20
Cranberries	20	15	-
Dewberries**	20	100	20
Grapes	20	100	20
Loganberries**	20	100	20
Nectarines	20	100	20
Peaches	20	100	20
Plums	20	100	20
Prunes	20	100	20
Raspberries**	20	100	20
Strawberries	20	100	20
Walnuts**	20	100	20

*CA Only

**CA, OR, or WA Only

FRUIT AND NUT CROPS

CROP	PEST	RATE	COMMENTS
ALMONDS (California Only)	San Jose Scale, Parlatoria Scale	1 - 1 ½ pts. per 100 gals. water	Apply in 100 gals. water plus 2 - 3 gals. dormant oil or 1 - 1½ gals. superior type oil. Apply as a dormant spray only.
	<ul style="list-style-type: none"> Do not apply more than 6 pts. of diazinon or 9 gals. of oil per acre. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
APRICOTS (21)	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, Mealybugs	1 pt. per 100 gals. water	Apply as a dormant spray. When using spray oils, follow spray oil manufacturer's use directions.
	Aphids, Brown Mite (Clover Mite), Twospotted Spider Mite, Olive Scale Crawler, San Jose Scale Crawler	1 pt. per 100 gals. water	Apply as infestations occur. Repeat application after 14 days if necessary.
	Olive Scale Crawler	½ pt. plus 1½ gals. of light medium horticultural oil per 100 gals. of water	Apply when scale crawlers are present.
	Apricot Mealybug	1 pt. per 100 gals. water	Apply as a cover spray from petal fall to June. Allow 14 days between applications.
	<ul style="list-style-type: none"> Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
BLUEBERRIES (7)	Cranberry Fruitworm, Cherry Fruitworm, Blueberry Maggot, Aphids, Thrips, Twospotted Spider Mite	1 pt. per 100 gals. water	Apply as infestations occur. Allow 14 days between applications.
	Fire Ants	1 pt. per 100 gals. water	To aid in the control of fire ants, 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.
	<ul style="list-style-type: none"> Do not apply more than 2 pts. of product per acre per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		

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CROP	PEST	RATE	COMMENTS
CANE BERRIES (Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries) (California, Oregon and Washington only) (7)	Leafhoppers, Thrips, Aphids, Twospotted Spider Mite, Raspberry Fruitworm, Raspberry Sawfly	1 qt. per acre	Apply as insects occur. Repeat application after 14 days if necessary. Apply in a minimum of 100 gals. of water per acre (200 gals. per acre maximum). For Raspberry Fruitworm, make one application when blossom buds separate. Make a second application immediately before blossoms open.
	Dryberry Mite	1 - 2 qts. per acre	Apply as a dormant spray in the early spring when canes are still on the ground and buds are closed. Make a second application when buds are well developed but still closed. Apply in a minimum of 100 gals. of water per acre.
	Raspberry Crown Borer (Raspberry Root Borer)	2 qts. per acre	Apply a single application in a minimum of 100 gals. of water per acre as a drench to the crown and lower canes in the spring before buds break.
	<ul style="list-style-type: none"> Do not apply more than 2 qts. of product per acre per application and no more than 5 qts. of product per acre per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
CHERRIES (21)	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, Mealybugs	1 pt. per 100 gals. water	Apply as a dormant spray. When using spray oils, follow spray oil manufacturer's use directions.
	Eyespotted Bud Moth, Fruittree Leafroller	1 pt. per 100 gals. water	Apply in cover spray as infestations occur beginning at petal fall. Repeat application after 7 days if necessary.
	Leafhoppers	1 pt. per 100 gals. water	Make 3 - 4 applications beginning at petal fall and continuing through the growing season as infestations occur. Allow 7 days between applications.
	Cherry Fruit Fly	½ - 1 pt. per 100 gals. water	Make 3 - 4 applications beginning when adult flies begin to emerge and repeating at 10-day intervals.
	Black Cherry Aphid	1 pt. per 100 gals. water	Apply as a cover spray when aphids appear. Repeat application after 10 days if necessary.
	San Jose Scale Crawler	1 pt. per 100 gals. water	Apply during the pre-pink stage or when crawlers first appear.
	Cherry Rust Mite	½ - 1 pt. per 100 gals. water	Apply to trees as a single supplemental spray after harvest.
	<ul style="list-style-type: none"> Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		

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CROP	PEST	RATE	COMMENTS
CRANBERRIES (7)	Blackheaded Fireworm (<i>Rhopobota naevana</i>)	2 qts. per acre	Use in a minimum of 15 gals. of water per acre for ground application, a minimum of 20 gals. of water per acre for aerial application, and up to 400 gals. of water per acre for chemigation. Apply to larval stage. Pheromone trap captures and sweep monitoring may be used to optimize treatment timing. Repeat application after 14 days if necessary. A maximum of 6 applications per season is permitted.
	Cranberry Fruitworm	2 to 3 qts. per acre	Use in a minimum of 15 gals. of water per acre for ground application, a minimum of 20 gals. of water per acre for aerial 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 adviser. Repeat application after 14 days if necessary. A maximum of 4 applications per season is permitted for the 3 qt. rate. A maximum of 6 applications is permitted for the 2 qt. rate.
	Cranberry Tipworm	2 qts. per acre	Use in a minimum of 15 gals. of water per acre for ground application, a minimum of 20 gals. of water per acre for aerial application, and up to 400 gals. of water per acre for chemigation. Presence of damage is not an indicator of active infestation. For best results, target early-stage larvae. Repeat application after 14 days if necessary. A maximum of 6 applications per season is permitted.
	<ul style="list-style-type: none"> Do not apply more than 12 qts. of product per acre per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. Do not use water from irrigated or flooded cranberry bed for drinking purposes or to irrigate crops other than those appearing on EPA approved diazinon labels. 		
GRAPES (28)	Pacific Spider Mite, Leafhoppers, Grape Berry Moth, Grape Leafroller, Omnivorous Leafroller, Aphids, Spider Mites	1 - 2 pts. per acre in 100 gals. water	Apply as a thorough cover spray when pest appears. Repeat application after 7 days if necessary.
	<i>Drosophila</i> spp.	6 fl. oz.	Use per acre in a minimum of 100 gals. of water (300 gals. of water maximum). Apply as a thorough cover spray when pest appears. Repeat application after 7 days if necessary.
	<ul style="list-style-type: none"> Do not apply more than 2 pts. of product per acre per application and no more than 10 pts. per acre per season NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		

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CROP	PEST	RATE	COMMENTS
NECTARINES (21)	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, Mealybugs	1 pt. per 100 gals. water	Apply as a dormant spray. When using spray oils, follow spray oil manufacturer's use directions.
	Oriental Fruit Moth	1 pt. per 100 gals. water	Apply at 100% petal fall. Make 2 additional applications at 10 - 15 day intervals. Time the last application to peak adult flight.
	Aphids, Brown Mite (Clover Mite), Twospotted Spider Mite, Olive Scale Crawler, San Jose Scale Crawler, Peach Twig Borer	1 pt. per 100 gals. water	Apply as infestations occur. Repeat application after 14 days if necessary.
	<ul style="list-style-type: none"> Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. per acre per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
PEACHES (21)	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, Mealybugs	1 pt. per 100 gals. water	Apply as a dormant spray. When using spray oils, follow spray oil manufacturer's use directions.
	Brown Mite (Clover Mite), Twospotted Spider Mite, Olive Scale Crawler, San Jose Scale Crawler	1 pt. per 100 gals. water	Apply as infestations occur. Repeat application after 14 days if necessary.
	Peach Twig Borer	1 pt. per 100 gals. water	Apply as insects occur in May and June. Allow 7 days between applications.
	Oriental Fruit Moth	1 pt. per 100 gals. water	Apply at 100% petal fall. Make 2 additional applications at 10 - 15 day intervals. Time the last application to peak adult flight.
	Leafhoppers	1 pt. per 100 gals. water	Make 3 - 4 applications beginning at petal fall and continuing through the growing season. Allow at least 7 days between applications.
	White Peach Scale	1 ½ - 2 pts. per 100 gals. water	Apply post-harvest timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestation, two applications 7 days apart may be needed. Do not apply before fruit is harvested.
	<ul style="list-style-type: none"> Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
PLUMS (21)	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, Mealybugs	1 pt. per 100 gals. water	Apply as a dormant spray. When using spray oils, follow spray oil manufacturer's use directions.
	Brown Mite (Clover Mite), European Red Mite	1 pt. per 100 gals. water	Apply as needed every 7 days.
	Leafcurl Plum Aphid, Mealy Plum Aphid, Thistle Aphid	½ - 1 pt. per 100 gals. water	

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CROP	PEST	RATE	COMMENTS
PLUMS (21) (continued)	<ul style="list-style-type: none">Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season.NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION.		
PRUNES (21)	San Jose Scale, Parlatoria Scale, Black Scale, Brown Scale, Apricot Scale, Mealybugs	1 pt. per 100 gals. water	Apply as a dormant spray. When using spray oils, follow spray oil manufacturer's use directions.
	Brown Mite (Clover Mite), European Red Mite	1 pt. per 100 gals. water	Apply as needed every 7 days.
	Leafcurl Plum Aphid, Mealy Plum Aphid, Thistle Aphid	½ - 1 pt. per 100 gals. water	
	<ul style="list-style-type: none">Do not apply more than 4 pts. of product per acre per application and no more than 12 pts. of product per acre per season.NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION.		
STRAWBERRIES (5)	Aphids, Twospotted Spider Mite	1 pt. per 100 gals. water per acre	Apply as pests occur. Repeat application if necessary after 7 days.
	Cyclamen Mite	1 qt. per 100 gals. water per acre	Direct spray to the plant crown. Plants should be sufficiently agitated to assure thorough coverage of the foliage. Repeat application after 7 days if necessary.
	Mole Crickets	1 qt. per acre	Broadcast in sufficient water to obtain even coverage when insects are present. Apply 1 - 2 days before transplanting and immediately incorporate into the top 1 - 2 inches of soil.
	Strawberry Leafroller	¾ - 1 pt. per 100 gals. water	Apply 200 gals. of spray per acre when blossoms show color.
	<ul style="list-style-type: none">Do not apply more than 1 qt. of product per acre per application and no more than 4 qts. of product per acre per season.NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION.		
WALNUTS (California only) (45)	Aphids, Spider Mites	1 qt. per acre	Apply as a foliar spray. Repeat application in 14 days if necessary. Make ground application in a minimum of 100 gals. of water per acre.
	Codling Moth, Scale Crawlers, Walnut Caterpillar	3 qts. per acre	
<ul style="list-style-type: none">Do not apply more than 3 qts. of product per acre per application and no more than 9 qts. of product per acre per season.Do not apply within 45 days of harvest or after husks open.NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION.			

VEGETABLE CROPS-REI 24 hours

For foliar or soil applications, Diazinon AG500 should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil. Diazinon AG500 may be applied using ground or aerial 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 specific amount of product to be used appears under the separate directions for use for each crop.

11/22

CROP	GROUND APPLICATION MIN. GPA	MIN. GALS./ 1000 SQ. FT. (GROUND)	AERIAL APPLICATION MIN. GPA
Beets, Red (Table)	10	2	5
Broccoli	10	2	5
Brussels Sprouts	10	2	5
Cabbage	10	2	5
Cantaloupes	5	1	5
Carrots	10	2	5
Casaba Melons	5	1	5
Cauliflower	10	2	5
Chinese Broccoli	10	2	5
Chinese Cabbage	10	2	5
Chinese Mustard	10	2	5
Chinese Radish (CA and FL only)	10	2	5
Collards	10	2	5
Crenshaw Melons	5	1	5
Endive (Escarole)	10	2	5
Ginseng	10	2	-
Honeydew Melons	5	1	5
Kale	10	2	5
Lettuce, Head	10	2	5
Lettuce, Leaf	10	2	5
Muskmelons	5	1	5
Mustard	10	2	5
Onions (Bulb and Green)	10	2	5
Persian Melons	5	1	5
Radishes	10	2	5
Rutabagas	10	2	5
Spinach	10	2	5
Sweet Corn	20	4	5
Tomatoes	10	2	5
Watermelons	5	1	5

Observe stated time intervals between last application and harvest as well as intervals between and maximum numbers of applications per season. Do not apply to food crops grown in greenhouses.

NOTES: (1) Soil Incorporation: Following application of this product to control vegetable soil insects, immediately incorporate the product into the soil to the recommended depth (see directions for individual crops) 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. (3) Diazinon will not control organophosphate-resistant leafminers.

VEGETABLE CROPS

CROP	PEST	RATE/ ACRE	COMMENTS
BEETS, RED (Table) (14)	Cutworms	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Dipterous Leafminer	½-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
CROP	PEST	RATE/ ACRE	COMMENTS

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BROCCOLI (7)	Root Maggots	2-3 qts.	Broadcast just before planting and immediately incorporate into the top 3-4 inches of soil. Use 4-8 oz. in 50 gals. of 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	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moth, Imported Cabbageworm, Dipterous Leafminer	½-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
BRUSSELS SPROUTS (7)	Root Maggots	2-3 qts.	Broadcast just before planting and immediately incorporate into the top 3-4 inches of soil. Use 4-8 oz. in 50 gals. of 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	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moth, Imported Cabbageworm	½-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		

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CROP	PEST	RATE/ ACRE	COMMENTS
CABBAGE (21)	Root Maggots	2 - 3 qts.	Broadcast just before planting and immediately incorporate into the top 3-4 inches of soil. Use 4-8 oz. in 50 gals. of 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	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1 - 2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moth, Imported Cabbageworm, Dipterous Leafminer	½-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
CARROTS (14)	Cutworms	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1 - 2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids	1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
CAULIFLOWER (7)	Root Maggots	2-3 qts.	Broadcast just before planting and immediately incorporate into the top 3-4 inches of soil. Use 4-8 oz. in 50 gals. of 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.

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CROP	PEST	RATE/ ACRE	COMMENTS
CAULIFLOWER (7) (continued)	Cutworms	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moth, Imported Cabbageworm, Dipterous Leafminer	½-1 pt.	Apply as insects occur. Repeat application, as necessary, with a minimum of 7 days between applications.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
CHINESE BROCCOLI (10)	Aphids, Diamondback Moth, Imported Cabbageworm, Dipterous Leafminer	½-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
CHINESE CABBAGE (Bok Choy and Napa) (10)	Aphids, Diamondback Moth, Imported Cabbageworm, Dipterous Leafminer	½-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
CHINESE MUSTARD (Gai Choy) (10)	Aphids, Diamondback Moth, Imported Cabbageworm, Dipterous Leafminer	½-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
CHINESE RADISH (Japanese Radish or Daikon) (Florida and California only) (10)	Aphids, Diamondback Moth, Imported Cabbageworm, Dipterous Leafminer	1 pt.	Mix in a minimum of 100 gals. of water per acre and apply as a foliar spray as pests occur. Repeat application as necessary, every 14 days.
	<ul style="list-style-type: none"> Do not make more than 3 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		

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CROP	PEST	RATE/ ACRE	COMMENTS
COLLARDS (10)	Cutworms	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Diamondback Moth, Imported Cabbageworm, Harlequin Bug, Corn Earworm	½-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
ENDIVE (Escarole) (14)	Cutworms	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Dipterous Leafminer	½-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
GINSENG (30)	Leafhoppers, Aphids, Lygus Bugs, Flea Beetles, Jumping Plant Lice	¾-1 pt.	Spray when insects first appear. For heavy insect infestations, use 1 pt. per acre. Apply by ground equipment using 10-100 gals. of water per acre.
	<ul style="list-style-type: none"> Do not apply more than one application per growing season. Do not apply during flowering of three- or four-year old crops. Do not graze treated areas or feed treated forage to livestock. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
KALE (10)	Cutworms	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.

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CROP	PEST	RATE/ ACRE	COMMENTS
KALE (10) (continued)	Aphids, Diamondback Moth, Imported Cabbageworm, Harlequin Bug, Corn Earworm	½-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
LETTUCE (Head and Leaf) (14)	Cutworms	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Dipterous Leafminer	½ - 1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
MELONS (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians and hybrids of these) and WATER-MELONS (3)	Cutworms	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Dipterous Leafminer, Thrips, Striped Cucumber Beetle, Melonworms, Leafhoppers, Spider Mites	½-1½ pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
MUSTARD (10)	Cutworms	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4 - 8 inches of soil.
	Aphids, Dipterous Leafminer, Diamondback Moth, Imported Cabbageworm	½-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		

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CROP	PEST	RATE/ ACRE	COMMENTS
ONIONS (Bulb and Green)(14)	Onion Maggots	2-4 qts.	Broadcast just before planting and mix into the top 3 - 4 inches of soil. Note: Diazinon will not control organophosphate-resistant onion maggots.
	Onion Thrips	1 pt.	Apply as thrips appear. Repeat application, as necessary, every 7 days.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	<ul style="list-style-type: none"> Do not make more than 3 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
RADISHES (14)	Cutworms	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See SOIL INCORPORATION note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1 - 2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4 - 8 inches of soil.
	Aphids, Flea Beetles, Dipterous Leafminers	½ - 1 pt.	Apply as insects occur. Repeat application as necessary up to 3 times with a minimum of 7 days between applications.
RUTABAGAS (14)	Cutworms	2 - 4 qts.	Broadcast just before planting and immediately incorporate into the soil. See SOIL INCORPORATION note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1 - 2 inches of soil.
	Wireworms	3 - 4 qts.	Broadcast just before planting and immediately incorporate into the top 4 - 8 inches of soil.
	Aphids, Flea Beetles, Dipterous Leafminers	½ - 1 pt.	Apply as insects occur. Repeat application as necessary every 7 days.
SPINACH (See text for PHI)	Cutworms	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.

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CROP	PEST	RATE/ ACRE	COMMENTS
SPINACH (See text for PHI) (continued)	Aphids, Dipterous Leafminer	½-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. Do not apply within 14 days of harvest when making a soil application nor within 21 days of harvest when making a foliar application as spotting of foliage under certain environmental conditions may occur. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
SWEET CORN (7)	Cutworms	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Seedcorn Maggots	2-4 qts.	Broadcast just before planting and immediately incorporate into the top 2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Corn Earworm	1-1½ qts.	Apply when silks first appear. Repeat application every 7 days if necessary.
	Corn Rootworm (Adults)	½-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	Corn Leaf Aphids	1-2 pts.	Apply in sufficient water to provide complete coverage to the upper portions of the plants. Repeat application, as necessary, every 7 days.
	Grasshoppers, Spider Mites, Flea Beetles	1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	Sap Beetles	2-2½ pts.	Consult local agricultural authorities for proper timing of sprays. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. To protect bees, do not apply foliarly to corn during the pollen shed period. Allow 7 days after the last application before grazing or cutting for forage. Forage may be fed to beef, dairy cattle, and sheep. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
TOMATOES (1)	Cutworms	2-4 qts.	Broadcast just before planting and immediately incorporate into the soil. See Soil Incorporation note.
	Mole Crickets	1 qt.	One to two days before planting, broadcast and immediately incorporate into the top 1-2 inches of soil.
	Wireworms	3-4 qts.	Broadcast just before planting and immediately incorporate into the top 4-8 inches of soil.
	Aphids, Dipterous Leafminer	½ pt.	Apply as insects appear. Repeat application, as necessary, every 7 days.
	Banded Cucumber Beetle, Fall Armyworms, Southern Armyworm, Beet Armyworm	¾-1 pt.	Apply as insects appear. Repeat application, as necessary, every 7 days.

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CROP	PEST	RATE/ ACRE	COMMENTS
TOMATOES (1) (continued)	Vinegar Flies (<i>Drosophila</i> spp.)	½-1½ pts.	Apply as insects appear. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 foliar applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		

FIELD CROPS - REI 24 HOURS

Soil and foliar applications of Diazinon AG500 should always be applied as a spray 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.

FIELD CROPS

CROP	PEST	RATE/ ACRE	COMMENTS
HOPS (14)	Aphids, Spider Mites	1 qt.	Apply as pests occur. Repeat application, as necessary, every 14 days.
	<ul style="list-style-type: none"> Do not make more than 4 applications per season. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		
SUGAR BEETS (14)	Wireworms	3-4 qts.	Broadcast just before planting. Incorporate into soil 4-6 inches.
	<ul style="list-style-type: none"> Do not apply more than 4 qts. of this product to the soil per season. 		
	Aphids, Beet Leafhopper, Dipterous Leafminer	¾-1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	Grasshoppers	1 pt.	Apply as insects occur. Repeat application, as necessary, every 7 days.
	<ul style="list-style-type: none"> Do not make more than 5 applications per season. Tops may be fed to beef and dairy animals. NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		

ORNAMENTAL STATEMENT

Before treating a large number of ornamental plants with Diazinon AG500 alone or as a tank mixture with any other material, make a test application on a few plants and observe for 7 to 10 days prior to treating large areas to reduce the possibility of plant injury.

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INSECT CONTROL ON ORNAMENTALS GROWN OUTDOORS IN NURSERIES - REI 12 HOURS

CROP	PEST	RATE	COMMENTS
ARBORVITAE, AZALEA, BIRCH, BOXWOOD, CAMELLIA, CARNATION, CHRYSANTHEMUM, CRABAPPLE, DOGWOOD, DOUGLAS FIR, ELM, EUONYMUS, GLADIOLI, HAWTHORN, HOLLY, HONEY LOCUST, HONEYSUCKLE, 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	Aphids, Bagworms, Carnation Bud Mite, Carnation Shoot Mite, Clover Mite, Cyclamen Mite, Dipterous Leafminer, European Pine Shoot Moth, European Red Mite, Flea Beetles, Holly Bud Moth, Leafhoppers, Obscure Root Weevil, Omnivorous Leaf-tier, Privet Mite, Scale Crawlers (Cottony-cushion, Lecanium, Pine Needle, San Jose, Soft), Thrips, Twospotted Spider Mite, Juniper Webworm, Whiteflies	½ fl. oz. per 3 gals. water or 1 pt. per 100 gals. of water	Apply the recommended rates. Spray when listed pests first appear. Try to spray underside of leaves and penetrate dense foliage. Repeat as necessary.
	Apple-and-Thorn Skeletonizer, Cotoneaster Webworm, European Pine Sawfly, Fall Webworm, Hemlock Chermes, Oak Looper, Obliquebanded Leafroller, Pear Slug, Tent Caterpillar	1½ fl. oz. per 3 gals. of water or 3 pts. per 100 gals. of water	
	Mimosa Webworm	½ fl. oz. in 3 gals. of water or 1 pt. in 100 gals. of water	Apply as a thorough foliar spray when adults first appear. Try to spray underside of leaves and penetrate dense foliage. Make a second and third application at 4 – 5 week intervals.
	<ul style="list-style-type: none"> Do not use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and Gardenia, since injury to the plants may occur. Note: 1 fl. oz. = 2 tablespoons; 16 fl. oz. = 1 pint NOTE: For application by irrigation systems, apply specified dosage per acre. Follow all directions under the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION. 		

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food, or feed by storage or disposal. Store in dry place. 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, street drains). If pesticide, spray mixture, or rinsate cannot be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, incinerate or burn, if allowed by state and local authorities. Stay out of smoke from burning container.

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.

CHEMIGATION STATEMENT

APPLICATION THROUGH IRRIGATION SYSTEMS - CHEMIGATION

Apply this product only through sprinkler, including center pivot, lateral move, end tow side (wheel) roll, traveler, big gun, solid set, or hand move, flood (basin) furrow, border, or drip (including surface and subsurface) irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform 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 an irrigation system (including greenhouse systems) 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 should the need arise.

Mix in clean supply tank the recommended amount of this product for acreage to be covered, and needed quantity of water.

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This product should not be tank-mixed with other pesticides, surfactants or fertilizers unless prior use has shown the combination noninjurious under your conditions of use. Follow precautionary statements and directions for all tank-mix products.

On all crops, use sufficient gallonage of water to obtain thorough and uniform coverage, but not cause runoff or excessive leaching. This will vary depending on equipment, pest problem and stage of crop growth. Application of more or less than optimal quantity of water may result in decreased chemical performance, crop injury or illegal pesticide residues.

Meter this product into the irrigation water uniformly during the period of operation. Do not overlap application. Follow recommended label rates, application timing, and other directions and precautions for crop being treated. Continuous mild agitation of pesticide mixture may be needed to assure a uniform application, particularly if the supply tank requires a number of hours to empty.

Do not apply when wind speed favors drift beyond the area intended for treatment.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Note: MANA does not encourage connecting chemigation systems to public water supplies. The following information is provided for users who have diligently considered all other application and water supply options before electing to make such a connection.

Public water systems 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 a least 25 individuals daily at least 60 days out of the year. 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 a 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.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must 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 shutdown.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of material that are compatible with pesticides and capable of being fitted with a system interlock.

SPRINKLER CHEMIGATION

1. The system must contain a functional check valve, 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 functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

OPERATING INSTRUCTIONS

1. Determine the acreage to be treated by the sprinkler system.
2. Measure the appropriate amount of Diazinon AG500 needed to treat the acreage to be treated. Refer to the specific directions for use for cranberries for the application rate and the amount of water per acre.
3. Add the pre-measured Diazinon AG500 to the chemigation system supply tank and dilute with water if needed. Proper agitation is needed if Diazinon AG500 is tank mixed with other pesticides registered for sprinkler chemigation application to cranberries.
4. Start the irrigation system and bring the system up to full pressure, making certain that all sprinkler heads are functioning properly.
5. Engage the chemigation injection or venturi system to add the diazinon to the irrigation lines.
6. Continue to run irrigation system for a few minutes after supply tank is empty to allow material in the irrigation lines to reach the sprinkler heads furthest from the chemigation injection point.

FLOOD (BASIN) FURROW AND BORDER CHEMIGATION (SOIL DRENCH USES)

Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- a) The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- b) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- c) 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 for the supply tank when the irrigation system is either automatically or manually shut down.
- d) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- e) 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.
- f) 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.

DRIP (INCLUDING SURFACE AND SUBSURFACE) CHEMIGATION (SOIL DRENCH USES)

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pipe 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 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.

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.

WARRANTY STATEMENT

MAKHTESHIM-AGAN OF NORTH AMERICA warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of MAKHTESHIM-AGAN OF NORTH AMERICA. In no case shall MAKHTESHIM-AGAN OF NORTH AMERICA be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein, MAKHTESHIM-AGAN OF NORTH AMERICA makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at MAKHTESHIM-AGAN OF NORTH AMERICA's election, the replacement of this product.

Diazinon AG500 (66222-9)(EPA app 5-8-01)(EPA notif 7-18-03)