

572-305

8/29/2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Ms. Judith Lemm  
Rockland Corporation  
P.O. Box 809  
686 Passaic Avenue  
West Caldwell, NJ 07007-0809

AUG 29 2001

Dear Ms. Lemm:

Subject: Amendment - Comply with 2000 Diazinon MOA  
Update First Aid per PR Notice 2001-1, and  
Update CSF/replacement diazinon source  
Rockland Diazinon Spray  
EPA Registration Number 572-305  
Your submission dated June 15, 2001

The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. On both the container label and the booklet, in the **First Aid** section, revise the last item of the **If Swallowed** advice to read "Do not give anything by mouth to an unconscious or convulsing person."
  - b. There is a series of word processing errors in the **Lawn Pest Control** table which should be corrected:
    - i. The first Pest column entry should be "Lawn Chinch Bugs", i.e., relocate "Bugs" from your current first sentence in the **Remarks** column "Thoroughly wet down grass a Bugs few hours before applying" to the **Pests** column.
    - ii. Likewise, in the second group of pests, relocate the pest names "Crickets", "Earwigs", "Frit" [part of the name "Frit Flies"], "Bermudagrass Mites", and "(Lawn Moths)" [part of the name "Sod Webworms (Lawn Moths)"] from the **Remarks** column to the **Pests** column.

- c. There is a series of word processing errors in the **Vegetables** table that should be corrected:
- i. For a given crop (or crop group), the horizontal line separating different pests and directions should not extend into the **Crop** column (eg. as for Beans) but should instead begin with the **Pest** column (eg., as for Carrots and Lettuce).
  - ii. The text should be uniformly aligned within a column.
3. Submit three (3) copies of your final printed labeling before you release the product for shipment.
4. Comply with all applicable provisions of the 2000 Memorandum of Agreement Regarding Pesticide Products Containing Diazinon (i.e., the Diazinon MOA). In accordance with the Diazinon MOA you have requested the following revisions to the conditions of registration for this diazinon product with only outdoor non-agricultural (i.e., home and garden) uses:
- a. You have requested under section 6(f) of FIFRA that this registration be voluntarily canceled on a date not later than December 31, 2004.
  - b. You may not manufacture, label, or release for shipment this product after June 30, 2003.
  - c. You may not sell or distribute this product after August 31, 2003.
  - d. The registration for this product shall expire and be canceled on December 31, 2004.
  - e. You will send to every person who directly purchases this product (i.e., to every seller) a notification of Product Recovery Program to be conducted by Syngenta and Makhteshim after December 31, 2004.

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

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

Please note that under the provisions of the Diazinon MOA this diazinon liquid concentrate product may not be marketed in container sizes greater than one quart.

The Basic Confidential Statement of Formula (CSF) dated June 15, 2001 and identifying your replacement diazinon source Manufacturing Use Product is acceptable and has been added to this product's registration file.

Sincerely,

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

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# Rockland® Diazinon Spray

RECEIVED  
LIFE'S SUPPORT CENTER  
AUG 29 2001

- This product must not be used on golf courses and sod farms.
- For outdoor use on the home lawn and the home garden only.
- Protects Lawns, Vegetables, Fruits, Roses, Flowers, Trees, Shrubs.

572305

## ACTIVE INGREDIENT:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate.....25.0%

INERT INGREDIENTS\*.....75.0%

100.0%

\*Contains aromatic petroleum distillates.

KEEP OUT OF REACH OF CHILDREN

## CAUTION

See side and back of label for additional precautionary statements.

See full label in booklet attached to cap for complete directions for mixing and applying.

Net Contents: One Pint, One Quart.

### PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS: CAUTION:** Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye injury. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not use inside the home. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not allow children or pets to go onto a treated area until the treated area, such as grass or soil, has dried. Do not contaminate ornamental fish ponds. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.

<b>FIRST AID</b> Organophosphate	
Have the product container or label with you when calling a poison control center or the doctor, or going for treatment. You may also contact the International Poison Control Center for emergency medical treatment information at 1-888-740-8712	
<b>If Swallowed</b>	- Call poison control center or doctor immediately for treatment advice. - Do not induce vomiting unless told to do so by the poison control center or doctor. - Do not give anything by mouth to an unconscious person.
<b>If Inhaled</b>	- Move person to fresh air. - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. - Call a poison control center or doctor for treatment advice.

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If in Eyes	-Hold eye open and rinse slowly and gently with water for 15-20 minutes. -Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. -Call a poison control center or doctor for treatment advice.
If 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.
<b>NOTE TO PHYSICIAN</b> 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 aromatic petroleum distillates which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.	

**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 certain 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. Application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. For lawns, where watering is recommended in the directions, or if waterfowl (ducks or geese) can be expected in the treatment area after treatment (except spot treatment), apply at least 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. 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.

EPA Reg. No. 572-305  
 EPA Est. No. 572-NJ-1  
 Product A30532

UPC

Manufactured by  
 Rockland Corporation  
 West Caldwell, NJ 07006  
 0601

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# (Hang-Tag-Booklet)

## Rockland® Diazinon Spray

- This product must not be used on golf courses and sod farms.
- For outdoor use on the home lawn and the home garden only.
- Spray concentrate contains diazinon insecticide.
- Protects Lawns, Vegetables, Fruits, Roses, Flowers, Trees, Shrubs.
- Controls Ants, Aphids, Chinch Bugs, Cutworms Flea Beetles, Grubs, Mites and Many Others as Listed in Directions

### ACTIVE INGREDIENT:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate.....25.0%

INERT INGREDIENTS\* :.....75.0%

Total.....100.0%

\*Contains aromatic petroleum distillates.

### KEEP OUT OF REACH OF CHILDREN CAUTION

EPA Reg. No.. 572-305                      EPA Est. No. 572-NJ-1

Net Contents: One Quart

### PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS: CAUTION:** Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye injury. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not use inside the home. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans. Do not allow children or pets to go onto a treated area until the treated area, such as grass or soil, has dried. Do not contaminate ornamental fish ponds. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.

<b>FIRST AID</b> Organophosphate	
Have the product container or label with you when calling a poison control center or the doctor, or going for treatment. You may also contact the International Poison Control Center for emergency medical treatment information at 1-888-740-8712	
<b>If Swallowed</b>	- Call poison control center or doctor immediately for treatment advice. -Do not induce vomiting unless told to do so by the poison control center or doctor. -Do not give anything by mouth to an unconscious person.
<b>If Inhaled</b>	-Move person to fresh air. -If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. -Call a poison control center or doctor for treatment advice.

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If in Eyes	<ul style="list-style-type: none"> <li>-Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>-Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>-Call a poison control center or doctor for treatment advice.</li> </ul>
If on Skin or clothing	<ul style="list-style-type: none"> <li>-Take off contaminated clothing.</li> <li>-Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>-Call a poison control center or doctor for treatment advice.</li> </ul>

**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 aromatic petroleum distillates which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.

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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 AND CONDITIONS OF SALE AND WARRANTY.**

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

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

Rockland warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. Rockland makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Rockland or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

**DIRECTIONS FOR USE**

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

**REFORMULATION OR REPACKAGING THIS PRODUCT IS PROHIBITED**

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

GENERAL INFORMATION Diazinon Spray is an emulsifiable concentrate product which must be diluted with water before application. Refer to the section HOW TO MIX AND APPLY. This product kills many outdoor insects which damage lawns, roses, flowers, trees, shrubs, vegetables, fruits and nuts, and insects which annoy pets and people. Contains diazinon insecticide which provides positive control of many "hard to kill" sucking and chewing insects. Diazinon works fast and applications should be repeated only as directed to maintain control.

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**NOTES:** (1) USE CONTENTS WITHIN 6 MONTHS AFTER OPENING. SEE STORAGE AND DISPOSAL DIRECTIONS. (2) Do not use in the home. (3) Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia or orchids since plant injury may occur. (4) Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties. (5) Do not apply to food crops grown in greenhouses.

**PRECAUTIONS:** (1) Wear a long-sleeved shirt and long-legged pants when spraying. (2) Spray with the wind to your back. (3) Do not spray on windy days. (4) If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again.

**STORAGE AND DISPOSAL**

**STORAGE:** Do not store near heat or open flame. Store in original container in an area inaccessible to children or pets. USE CONTENTS WITHIN 6 MONTHS AFTER OPENING.

**DISPOSAL:** 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 and sinks) or storm water sewers (for example, street drains). Triple rinse the empty container, pour the rinse water into the sprayer and spray the treated area. If disposal of a partially full container is necessary, take the container to your local household waste disposal facility, or make sure cap is tightly closed, securely wrap the container in several layers of newspaper and discard in trash. Do not reuse empty container; securely wrap it in several layers of newspaper and discard in trash.

**HOW TO MIX AND APPLY**

**Step #1:** Determine size of spraying job. For lawns and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear. Applications should be repeated only as directed to maintain control.

**Step #2:** Use clean sprayer. Carefully measure and mix the amount of Diazinon Spray and water as suggested in the rate chart.

**Step #3:** Spray as directed in rate chart. Thorough coverage is important. Flush sprayer with clean water after each use.

See chart for complete list of use sites, crops, and insects controlled. Use the rate given in the chart for the type of insect you want to control on the site or crop you are spraying.

Measurement Conversions: 1 Tbsp. = 3 teasp., 1 fl. oz. = 6 teasp. or 2 Tbsp., 6 fl. oz. = 3/4 cup.

1 1/2 Tbsp in 3 gals. water = 1 1/2 teasp in 1 gal. water      2 Tbsp in 3 gals water = 2 teasp. in 1 gal water.

**HOME LAWN PEST CONTROL**

**PRECAUTIONS:** Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between Nov. 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. Where irrigation (watering) is recommended in the directions, or if waterfowl (ducks or geese), can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product; however, stop watering before puddling occurs.

Use on Bent, Bermuda, Bluegrass, Dichondra, Fescue, Merion and St. Augustinegrass.

**TO CONTROL PESTS LISTED BELOW, APPLY RECOMMENDED RATES**

PESTS	RATE		REMARKS
	Diazinon Spray	Water	
Lawn Chinch	1 1/2 Tbsp. per 125 sq. ft. or 6 fl. oz. per 1000 sq. ft.	3 gals.   24 gals.	Thoroughly wet down grass a few hours before applying. In the North, if Chinch Bugs are the only problem, a lower rate of application can be used: 3 teasp. in 3 gals. of water covers 125 sq. ft. or 4 fl.oz. in 24 gals of water per 1,000 sq. ft.
Ants, Armyworms, Clover Mites, Cutworms Digger Wasps, Flies	1 1/2 Tbsp. per 125 sq. ft.  or 6 fl oz. per	3 gals.   24 gals.	Thoroughly wet down grass a few hours before applying. For ANTS and Digger Crickets, wasps, spot spray ant hills and wasp ground nest openings. For digger wasps Earwigs, Frit apply at dusk when wasps are not active.
Lawn Billbugs Leafhoppers	1,000 sq. ft.		<b>BILLBUG CONTROL:</b> Apply when activity is first Bermudagrass Mites observed or when chewed or brown grass is present



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Sod Webworms,			indicating damage from the (Lawn Moths) insect.
Sowbugs(Pillbugs)			For FRIT FLIES, mow grass and water thoroughly before treatment, but delay application until grass is dry.
Brown Dog Ticks, Chiggers, Fleas	1 1/2 Tbsp. per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals.  24 gals.	NOTE :Do not apply this product to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
Hyperodes Weevil	1 1/2 Tbsp. per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals.  24 gals.	Treat problem areas in mid-April and again mid-May. Water grass thoroughly after application.
White Grubs of Japanese Beetle	1 1/2 Tbsp. per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals.  24 gals.	Apply any time between late July and early October. Water grass thoroughly after application.

**NUISANCE PESTS OUTSIDE THE HOME**

**Ants, Cockroaches, Brown Dog Ticks, Chiggers, Clover Mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (Pillbugs), Spiders, Springtails, (Collembola):**

Mix 6 fl. oz. in 3 gals. of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls, entranceways, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide.

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

DO NOT TREAT ANIMALS with this product. DO NOT TREAT PLANTS (other than tree trunks) at this nuisance pest rate.

**FIRE ANTS:** To aid in the control of fire ants in home lawns and other outdoor home recreation areas, apply 2 tablespoons in a minimum of 1 gal. of water as a drench. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Reapply as necessary. Larger quantities of solution can be prepared for multiple mound treatments. Use equipment capable of delivering the diluted product as a gently rain at the rate of 1 gal. per mound. High pressure sprays may disturb the ants and cause migration, reducing product effectiveness.

NOTE: For best results, apply in cool weather 65-80° F, or in early morning or late evening hours. Treat new mounds as they appear.

**Insect Control on Ornamental Trees, Shrubs & Flowers**

Spray when listed pests first appear. Repeat as necessary.

Trees & Shrubs	Insect	Rate per Gal. of Water	Directions
Arborvitae	Aphids,	2 Tbsp. per	Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.
Azaleas	Bagworms,	3 gals. water	
Birch,	European Pine Shoot Moths,		
Boxwood,	Holly Bud Moths,		
Camellias	Dipterous		
Douglas Fir,	Leafminers (Arborvitae,		
Elm,	Azalea, Birch, Boxwood,		
Hawthorn,	Holly, Oak)		
Holly,	leafhoppers,		
Juniper,	Mealybugs		
Lilac,	Mites (Clover, Cyclamen		For Mimosa Webworm Control: Apply as thorough spray foliar when adults first appear. Make two additional applications at 4-5 week intervals
Locust,	European Red, Privet		
Maple,	Two-spotted spider)		
Mimosa,	Obscure Root Weevils		
Oak,	Omnivorous Leaf tiers,		
Pine,	Scale Crawlers (Cottony-		
Poplar,	cushion, Euonymus		
Ornamental Plum,	Lecanium, Pine Needle,		

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**Rhododendron, Spruce, Willow** Pit, San Jose, Soft)  
 Webworms (Juniper, Mimosa)  
 Whiteflies  
 Apple-and-Thorn  
 Hemlock Chermes,  
 Oak Loopers, Oblique  
 banded leafrollers,  
 Pear Slugs,  
 Tent Caterpillars,  
 Webworms  
 (Cotoneaster, Fall)

<b>ROSES &amp; FLOWERS</b>	<b>Insects</b>	<b>Rates per 3 Gals of Water</b>	<b>Special Directions</b>
Azaleas, Camellias, Gladioli, Chrysanthemums, Carnations, Gladioli, Lilac, Rhododendron, Roses	Aphids, Euonymus Scale Crawlers, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Two-spotted Spider), Thrips, Whiteflies	2 Tablespoons	Apply as a thorough foliar spray. Try to spray underside of leaves and penetrate dense foliage.

**FRUITS & BERRIES:** Start spraying after blooming. Applications should be made according to infestation or when aphids, mites, and crawler stages of scale insects are first noted. Observe stated time intervals between last application and harvest of the crop, as well as intervals between applications and total number of applications that can be made per season.

<b>CROP</b>	<b>PEST</b>	<b>RATE</b>	<b>TIMING/SPECIAL DIRECTIONS</b>
<b>Apricots</b>	Aphids, Apricot Mealybugs, Mites (Brown, Two Spotted Spider), Scale Crawlers (Olive, San Jose)	2 teasp. in 1 gal. of water.	Apply as a full cover spray. Do not apply more than 4 gals. per 500 sq. ft. of home orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.
<b>Cherries</b>	Black Cherry Aphids, Cherry Fruitflies, Cherry Fruitworms, (Maggots), Fruit tree Leafrollers, Mites (Cherry Rust), Scale Crawlers (San Jose)	2 teasp. in 1 gal. of water	Apply as full coverspray. Do not apply more than 4 gals. per 500 sq. ft. of home orchard. Do not make more than 3 applications per season, a minimum of 7 days apart. Do not apply within 21 days of harvest.
<b>Grapes</b>	Aphids, Leafhoppers, Grape Berry Moths,  Grape Leafrollers	1 1/2 teas. in 1 gal. of water	Apply as a full coverspray Do not apply more than 3 gallons per 500 sq. ft. of home vineyard. Do not make more than 5 applications per season a minimum of 7 days apart. Do not apply within 21 days of harvest
<b>Nectarines Peaches</b>	Aphids, Mites (Brown Two-spotted Spider, Scale Crawlers	2 teasp. in 1 gal. of water.	Apply as a full cover spray. Do not apply more than 4 gals. per 500 sq. ft. of home orchard. Do not make more than 3 applications per season

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	(Olive, San Jose)		a minimum of 14 days apart. Do not apply within 21 days of harvest.
<b>Plums</b>	Aphids (Leafcurl, Plum, Mealy Plum, Thistle) Mites (Brown, European Red)	2 teasp. in 1 gal. of water.	Apply as a full cover spray. Do not apply more than 4 gals. per 500 sq. ft. of home orchard. Do not make more 3 applications per season, a minimum of 7 days apart. Do not apply within 21 days of harvest.
<b>Strawberries</b>	Aphids Two-spotted Spider Mites Strawberry Leafrollers	2 teasp. in 1 gal. of water.	Apply as a full cover spray. Do not apply more than 3 gal per 500 sq. ft. of patch. Do not make more than 3 appli- cations per season a minimum of 7 days apart. Do not apply within 5 days of harvest.

**VEGETABLES:** For application to the foliage, thoroughly spray all plant parts. Application to the soil should be mixed into the soil immediately after application.

<b>CROP</b>	<b>PEST</b>	<b>RATE</b>	<b>TIMING/SPECIAL DIRECTIONS</b>
<b>Beans, Lima, Pole &amp; Snap</b> (succulent varieties only) and Peas (succulent only)	Aphids, Cucumber beetles, Leafhoppers, Mexican Bean Beetles, Spider Mites	1 teasp. in 1 gal. of water to cover 500 sq. ft. of garden.	Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applications per season. Do not apply within 7 days of harvest.
	Cutworms (surface, sub- terranean)	6 Tbsp. per 500 sq. ft. in a minimum of 1 1/2 gals. of water.	Spray the soil evenly just before planting. Immediately work into soil 2-3 in. for surface cutworms, 3-6 inches for subterranean cutworms.
	Wireworms (Snap beans only)	6 Tbsp. per 500 sq. ft. in a minimum of 1 1/2 gals. of water.	Spray the soil evenly just before planting Immediately work into soil 4-8 inches.

NOTE: (1) Do not apply this product to dried pea varieties such as split peas or dried black-eyed peas. (2) To protect bees, do not apply foliage treatments if peas or weeds in the treatment area are in bloom.

<b>Beets, Red</b> (table)	Cutworms (surface, sub- terranean)	6 Tbsp. per 500 sq. ft. in a minimum of 1 1/2 gals water.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches r for subterranean cutworms.
<b>Broccoli</b>	Aphids, Diamondback, Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	1 teasp. in 1 gal. of water to cover 500 sq. ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per - season. Do not apply within 7 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
<b>Cabbage</b>	Aphids, Diamondback Moths	1 teasp. in 1 gal of water to cover 500 sq. ft. of	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season

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	Flea Beetles, Imported cabbageworm, Dipterous leaf miners	garden.	Do not apply within 21 <u>days</u> of harvest.
	Cutworms (surface, sub- terranean)	6 Tbsp. per 500 sq. ft. in a minimum of 1 1/2 gals of water.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for subterranean cutworms.
	Root Maggots	6 Tbsp per 500 sq. ft. in a minimum of 1 1/2 gals of water.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches.
	Wireworms	6 Tbsp. per 500 sq. ft. in a minimum water.	Spray the soil evenly just before planting. into soil 4-8 inches.
<b>Carrots Lettuce</b>	Aphids, Flea Beetles, Leafhoppers Dipterous Leaf- miners Spider Mites	1 teasp. in 1 gal. of water to cover 500 sq. ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 14 days of harvest. NOTE: Resistant Leafminers will not be controlled by diazinon or similar type insecticide
	Cutworms (surface & sub- terranean)	6 Tbsp. per 500 sq. ft. in a minimum of. 1 1/2 gals water.	Spray the soil evenly just before planting. Immediately work Lettuce) into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Wireworms	6 Tbsp. per 500 sq. ft. in a minimum of 1 1/2 gals of water.	Spray the soil evenly just before planting. Immediately work into soil 4-8 inches.
<b>Cauliflower</b>	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage worms, Dipterous Leaf- miners	1 teasp. in 1 gal. of water to cover 500 sq. ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 7 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
<b>Cucumbers</b>	Aphids, Thrips, Spider Mites	1 teasp. in 1 gal. of water to cover 500 sq. ft of garden.	Thoroughly spray all plant parts. Repeat every 7 days up to 5 applications per season. Do not apply within 7 days of harvest
<b>Melons (Cantaloupes, Honeydews,</b>	Aphids Thrips Spider Mites	1 teasp. in 1 gal. of water to cover 500 sq. ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 3 days of harvest.
<b>Onions</b>	Onion Thrips	1 teasp. in 1 gal. of water to cover 500 sq. ft. of garden.	Thoroughly spray all plant parts up to 5 applications per season. Repeat applications every 7 days Do not apply within 14 days of harvest.
<b>Peppers Potatoes</b>	Aphids Colorado Potato beetle	1 teasp. in 1 gal. of water to cover 500 sq. ft.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 application

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Flea Beetles  
Leafhoppers  
Dipterous Leafminers  
(Potatoes)

per season. Do not apply within  
5 days (Peppers) or 35 days  
of harvest  
NOTE resistant leafminers will not be  
controlled by diazinon or similar  
insecticide

<b>Radishes</b>	Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworms Dipterous Leafminers	1 teasp. in 1 gal. of water to cover 500 sq. ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 3 applications. -Do not apply within 14 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
	Cutworms (surface & subterranean)	6 Tbsp per 500 sq. ft. in a minimum of 1 1/2 gals of water.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
<b>Spinach</b>	Aphids Flea Beetles, Leafhoppers, Dipterous Leafminers Spider Mites.	1 teasp. in 1 gal. water to cover 500 sq. ft. of garden.,	Thoroughly spray all plant parts. Repeat application every 7 days, up to 5 applications per season. Do not apply within 14 days of harvest.

NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.

<b>Squash Summer &amp; Winter</b>	Aphids Thrips Spider Mites	1 teasp. in 1 gal. 500 sq. ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 7 days (summer squash) or 3 days (winter squash) of harvest
	Aphids, Thrips Flea Beetles Grasshoppers, Spider Mites	1 teasp. in 1 gal. of water to cover 500 sq. ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Corn may be picked 7 days following last application.
<b>Sweet Corn</b>	Cutworms (surface & subterranean), Wireworms	6 Tbsp. per 500 sq. ft. in a minimum of 1 1/2 gals. of water.	Spray the soil evenly just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms, 4-8 inches for Wireworms.

NOTE: To protect bees, do not apply to corn foliage during the pollen shed period.

<b>Tomatoes</b>	Aphids, Colorado Potato Beetle, Fall Armyworms, Flea Beetles, Leafhoppers	1 teasp. in 1 gal. of water to cover 500 sq. ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 1 day of harvest.
	Cutworms (surface & subterranean) Wireworms	6 Tbsp. per 500 sq. ft. in a minimum of 1 1/2 gals. of water.	Spray the soil evenly just before planting. Immediately work into the soil 2-3 in. for surface cutworms, 3-6 in for subterranean cutworms, 4-8 in. for Wireworms.

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Manufactured by  
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