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MAR 16 1993

James Armbruster, Ph.D
PBI/Gordon Corporation
P.O. Box 4090
1217 West 12th Street
Kansas City, MO 64101

Dear Dr. Armbruster:

Subject: Amendment - Change to "Caution" Formula
Acme Diazinon 25% Emulsifiable Concentrate
EPA Reg. No. 33955-556
Your submission dated July 22, 1992

The amendment referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable provided the following revisions are made prior to release for shipment under the amended labeling:

- 1) Revise the footnote under the ingredients statement to read:

** Contains aromatic petroleum distillates
- 2) Revise the middle of the seventh sentence of the Environmental Hazards text to read "or if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), apply a minimum of 1/4 inch of water".
- 3) In the Precautions under the heading "Lawn Pest Control", revise the middle of the sixth sentence to read "or if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), apply a minimum of 1/4 inch of water".
- 4) For the crop Cabbage, at the end of the Timing/Special Directions for control of Aphids, etc., add a note about resistant leafminers as follows: "Note: Resistant leafminers will not be controlled by diazinon or similar type insecticides."

DATE

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

The replacement Confidential Formula dated July 22, 1992 is acceptable and has been added to this product's registration file.

NOTE - The label and associated Confidential Statement of Formula accepted at this time supersede all previous labels and formula statements on file for this product.

Sincerely,

George T. LaRocca
Product Manager (13)
Insecticide Rodenticide Branch
Registration Division (H7505C)

PP 13 33955-556 30415

THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOD FARMS.
FOR OUTDOOR USE ON THE HOME LAWN AND THE HOME GARDEN ONLY.

ACME[®] DIAZINON 25% EMULSIFIABLE CONCENTRATE

LAWN & GARDEN INSECT CONTROL

Protects

- Lawns
- Vegetables
- Fruits & Nuts
- Roses
- Flowers
- Trees
- Shrubs

* Aids in control.

Controls

- Ants, Aphids
- Chinch Bugs
- Cutworms
- Fire Ants
- Flea Beetles
- Grubs, Mites
- Sod Webworms
- and many others

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAR 16 1993

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
33955-556

ACTIVE INGREDIENT:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl)phosphorothioate.....	25.0%
INERT INGREDIENTS**.....	75.0%
TOTAL	100.0%

**CONTAINS XYLENE RANGE AROMATIC SOLVENT.

Spray concentrate. Contains diazinon insecticide.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panels for Precautionary Statements
and Statement of Practical Treatment.

NET CONTENTS 8 OUNCES

905/792 APXXXXXX
 EPA REG NO 33955-556
 EPA EST NO 2217-KS-1
 DISTRIBUTED BY ACME DIVISION
 MANUFACTURED BY PBI/GORDON CORPORATION
 KANSAS CITY, MISSOURI 64101

STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

PRECAUTIONARY STATEMENTS

Hazards to Humans & 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 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.

Statement of Practical Treatment

IF SWALLOWED: Call a physician immediately. DO NOT INDUCE VOMITING UNLESS NO OTHER TREATMENT IS AVAILABLE. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim one or two glasses of water and insert finger in back of throat. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing.

IF INHALED: Remove victim to fresh air and apply artificial respiration if indicated. Get medical attention.

IF IN EYES: Rinse eyes with plenty of water and call a physician immediately.

IF ON SKIN: Wash promptly with soap and water. Rinse thoroughly. Get medical attention.

NOTE TO PHYSICIAN: This product contains 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 material was taken internally.

Environmental Hazards: This pesticide 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 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 irrigation (watering) is recommended in directions or if waterfowl, i.e., ducks or geese can be expected in the treated area after treatment (except spot treatment), apply a minimum of 0.25 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. 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 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.

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

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STORAGE & DISPOSAL

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

DISPOSAL: Do not reuse empty container. Thoroughly rinse container, securely wrap it in several layers of newspaper and discard in trash. If disposal of a partially full container is necessary, make sure cap is tightly closed, securely wrap the container in several layers of newspaper and discard in trash.

General Information

Acme Diazinon 25% Emulsifiable Concentrate 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. Acme Diazinon 25% Emulsifiable Concentrate works fast and applications should be repeated only as directed to maintain control.

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 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.

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. Application should be repeated only as directed to maintain control.
- Step #2.** Use clean sprayer. Carefully measure and mix the amount of Acme Diazinon 25% Emulsifiable Concentrate and water as suggested in the chart.
- Step #3.** Spray as directed in the rate chart. Thorough coverage is important. Flush sprayer with clean water after each use.

Measurement 1 tablespoon = 3 teaspoons

Conversions 1 fluid ounce = 6 teaspoons or 2 tablespoons

6 fluid ounces = 3/4 cup

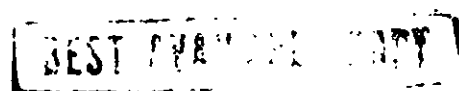
1 1/2 tablespoons in 3 gallons of water = 1 1/2 teaspoons in 1 gallon of water.

2 tablespoons in 3 gallons of water = 2 teaspoons in 1 gallon of water.

- 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 the November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds. Avoid overlapping of sprays. Where irrigation (watering) is recommended in the directions or if waterfowl, i.e., ducks or geese can be expected in the treated area after treatment (except spot treatments), water lawn with at least 0.25 inch water immediately after spraying this product; however, stop watering before puddling occurs.

Use on bentgrass, bermudagrass, bluegrass, dichondra, fescue, merion and St. Augustine grass.



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To control pests listed below, apply the recommended rates.

PESTS	RATE		REMARKS
	DIAZINON 25% EMULSIFIABLE	WATER	
Lawn Chinch Bugs	1 1/2 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet.	3 gallons 24 gallons	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 teaspoons in 3 gallons of water covers 125 square feet or 4 fluid ounces in 24 gallons of water per 1,000 square feet
Ants, Armyworms, Bermudagrass Mites, Clover Mites, Springtails (Collembola), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Leafhoppers, Sod Webworms (Lawn Moths), Sowbugs(Pillbugs)	1 1/2 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet	3 gallons 24 gallons	Thoroughly wet down grass a few hours before applying. For ants and digger wasps, spot spray ant hills and wasp ground nest openings. For digger wasps, apply at dusk when wasps are not active. For frit flies, mow grass and water thoroughly before treatment, but delay application until grass is dry. Billbug control: Apply when activity is first observed or when chewed or brown grass is present indicating damage from the insect.
Brown Dog Ticks, Chiggers, Fleas	1 1/2 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet	3 gallons 24 gallons	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 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet	3 gallons 24 gallons	Treat problem areas in mid-April and again in mid-May. Water grass thoroughly after application.
Millipedes	1 1/2 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet	3 gallons 24 gallons	Thoroughly wet grass a few hours before applying.
Rhodesgrass Scales	1 1/2 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet	3 gallons 24 gallons	Apply when crawlers first emerge.
White Grubs of Japanese Beetle, European Chafer, Southern Chafer	1 1/2 tablespoons per 125 square feet or 6 fluid ounces per 1,000 square feet	3 gallons 24 gallons	Apply any time between late July and early October. Water grass thoroughly after application.

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Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (Pillbugs), Spiders, Springtails (Collembola): Mix 6 fluid ounces in 3 gallons 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 to 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 1 fluid ounce (2 tablespoons) in a minimum of 1 gallon 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 gentle rain at the rate of 1 gallon per mound. High pressure sprays may disturb the ants and cause migration, reducing product effectiveness.

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

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Insect Control on Ornamental Trees, Shrubs and Flowers

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Species	Insects	Rate per 3 gallons of Water	Timing/Special Directions
<u>Trees & Shrubs</u>			
Arborvitae, Azaleas, Birch, Boxwood, Camellias, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow	Aphids, Bagworms, European Pine Shoot Moths, Holly Bud Moths, Dipterous Leafminers (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European Red, Privet, Two-spotted Spider), Obscure Root Weevils, Omnivorous Leaf-tiers, Scale Crawlers, (Cottony-cushion, Euonymus, Lecanium, Pine Needle, Pit, San Jose, Soft).	2 tablespoons	Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.
	Webworms (Juniper, Mimosa), Whiteflies	2 tablespoons	Apply as a thorough foliar spray. Mimosa webworms: Apply as a thorough foliar spray when adults first appear. Make two additional applications at 4 to 5 week intervals.
	Apple and Thorn Skeletonizers, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars, Webworms (Cotoneaster, Fall)	2 tablespoons	Apply as a thorough foliar spray.
<u>Roses & Flowers</u>			
Azaleas, Camellias, 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.

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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.

CROP	PHI*
Almonds	**
Apricots	21
Blackberries	7
Boysenberries	7
Cherries	21
Dewberries	7
Grapes	28
Loganberries	7
Nectarines	21
Peaches	21
Plums	21
Prunes	21
Raspberries	7
Strawberries	5
Walnuts	45

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

** Dormant Spray Only.

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

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Almonds (CA only)	San Jose Scale, Parlatoria Scale	2 tablespoons in 3 gallons of water	Apply only as a dormant spray. Do not apply more than 6 gallons per 500 square feet of orchard. This product may be used on almonds only in California. Do not use this product on almonds grown in other states.
Apricots	Aphids, Apricot Mealybugs, Mites (Brown, Two-spotted Spider) Scale Crawlers (Olive, San Jose)	4 teaspoons in 2 gallons of water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 square feet of orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.
Caneberries (CA, OR, WA only)	Aphids, Leafhoppers,	2 tablespoons in 3 gallons of water	Apply as a full cover spray. Do not apply more than 3 gallons per 500 square feet of field. Do not make more than 5 applications per season a minimum of 14 days apart. Do not apply within 7 days of harvest.
Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries,	Raspberry Fruit worms, Two-spotted Spider Mites, Thrips		This product may be used on caneberries only in California, Oregon and Washington. Do not use this product on caneberries grown in other states.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cherries	Black Cherry Aphids, Cherry Fruitworms (Maggots), Fruit tree Leafrollers, Mites (Cherry Rust) Scale Crawlers (San Jose)	4 teaspoons in 2 gallons of water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 square feet of orchard. Do not make more than 3 applications per season a minimum of 7 days apart. Do not apply within 21 days of harvest.
Grapes	Aphids, Leafhoppers, Grape Berry Moths, Grape Leafrollers	4 1/2 teaspoons in 3 gallons of water	Apply as a full cover spray. Do not apply more than 3 gallons per 500 square feet of vineyard. Do not make more than 5 applications per season a minimum of 7 days apart. Do not apply within 28 days of harvest.
Nectarines	Aphids Mites (Brown, Two-spotted Spider) Scale Crawlers (Olive, San Jose)	4 teaspoons in 2 gallons of water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 square feet of orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.
Peaches	Aphids, Mites (Brown, Two-spotted Spider) Scale Crawlers (Olive, San Jose)	4 teaspoons in 2 gallons of water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 square feet of orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply within 21 days of harvest.
Plums and Prunes	Aphids, (Leafcurl Plum, Mealy Plum, Thistle), Mites (Brown, European Red)	4 teaspoons in 2 gallons of water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 square feet of orchard. Do not make more than 3 applications per season a minimum of 7 days apart. Do not apply within 21 days of harvest.
Strawberries	Aphids, Two-spotted Spider Mites, Strawberry Leaf- rollers	2 tablespoons in 3 gallons of water	Apply as a full cover spray. Do not apply more than 3 gallons per 500 square feet of field. Do not make more than 3 applications per season a minimum of 7 days apart. Do not apply within 5 days of harvest.
Walnuts (CA only)	Aphids, Scale Crawlers (Walnut, Italian Pear, Frosted), Spider Mites, Twig Borers	2 tablespoons in 3 gallons of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 square feet of orchard. Do not make more than 3 applications per season 14 days apart. Do not apply after husks open or split. Do not apply within 45 days of harvest. This product may be used on walnuts only in California. Do not use this product on walnuts grown in other states.

- Vegetable Crops -

For foliar or soil applications, Acme Diazinon 25% Emulsifiable Concentrate should be applied in the volume of water recommended in the table below to assure thorough coverage of the foliage or soil.

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

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Pre-Harvest Intervals (PHI*) for Foliar Applications			
Crop	PHI	Crop	PHI*
Beans (Succulent varieties only: Lima, Pole and Snap ¹)	7(Days)	Lettuce	14(Days)
Broccoli	7	Muskmelons	3
Cabbage	21	Onions, Bulb & Green	14
Cantaloupes	3	Parsnips	14
Carrots	14	Peas ¹	7
Casabas	3	Peppers	5
Cauliflower	7	Potatoes (Irish)	35
Chinese Broccoli	10	Radishes	14
Chinese Cabbage	10	Spinach	14
Collards	10	Squash, summer	7
Crenshaws	3	Squash, winter	3
Cucumbers	7	Sweet Corn	7
Endive (Escarole)	14	Tomatoes	1
Honeydew Melons	3	Turnips (Roots and tops)	14
Kale	10	Watermelons	3

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

¹Do not use this product on dried pea or bean varieties such as pinto beans, dried limas, split peas, or dried black-eyed peas.

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

Crop	Pest	Rate	Timing/Special Directions
Beans: Lima, Pole and Snap (succulent varieties only)	Aphids,	2 tablespoons in	Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applications per season. Do not apply within 7 days of harvest.
	Cucumber beetles,	3 gallons of water	
	Grasshoppers,	to cover 1,000	
	Leafhoppers,	square feet of	
	Mexican Bean Beetles,	garden	
Cutworms (surface, subterranean)		6 tablespoons per	Broadcast to the soil just before planting. Immediately work into soil 2 to 3 inches for surface cutworms, 3 to 6 inches for subterranean cutworms.
		500 square feet in a	
		minimum of 1 1/2 gallons of water	
Mole Crickets		2 tablespoons per	Broadcast to the soil 1 to 2 days before planting. Immediately work into the soil 1 to 2 inches.
		500 square feet in a minimum of 1 1/2 gallons of water	
Wireworms (snap beans only)		6 tablespoons per	Broadcast to the soil just before planting. Immediately work into soil 4 to 8 inches.
		500 square feet in a minimum of 1 1/2 gallons of water	

NOTES: (1) Do not apply this product to dried bean varieties such as pinto beans or dried limas. (2) To protect bees, do not apply bean foliage treatments if the beans or weeds in the treatment area are in bloom.

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Vegetable Crops Continued-

CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Beets, Red (Table)	Cutworms (surface, subterranean)	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into soil 2 to 3 inches for surface cutworms, 3 to 6 inches for subterranean cutworms.
	Mole Crickets	2 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water.	Broadcast to the soil 1 to 2 days before planting. Immediately work into soil 1 to 2 inches.
Broccoli	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 tablespoons in 3 gallons of water to cover 1,000 square feet 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.
Cabbage	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 tablespoons in 3 gallons of water to cover 1,000 square feet of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 21 days of harvest.
	Cutworms (surface, subterranean)	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into the soil 2 to 3 inches for surface cutworms, 3 to 6 inches for subterranean cutworms.
	Root Maggots	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into soil 3 to 4 inches.
	Wireworms	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into soil 4 to 8 inches.
Carrots	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 tablespoons in 3 gallons of water to cover 1,000 square feet of garden	Thoroughly spray all plant parts. Repeat applications 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.
	Cutworms (surface, subterranean)	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into the soil 2 to 3 inches for surface cutworms, 3 to 6 inches for subterranean cutworms.
	Mole Crickets	2 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil 1 to 2 days before planting. Immediately work into the soil 1 to 2 inches.

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Vegetable Crops Continued-

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Carrots (Continued)	Wireworms	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into the soil 4 to 8 inches.
Cauliflower	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 tablespoons in 3 gallons of water to cover 1,000 square feet 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.
Chinese Broccoli	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 tablespoons in 3 gallons of water to cover 1,000 square feet of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
Chinese Cabbage (Bok Choy and Napa)	Aphids, Diamondback Moths, Flea Beetles, Cabbageworms, Dipterous Leafminers	2 tablespoons in 3 gallons of water to cover 1,000 square feet of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
Collards	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 tablespoons in 3 gallons of water to cover 1,000 square feet of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest. NOTE: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
Corn (see sweet corn)			
Cucumbers	Aphids, Thrips, Spider Mites	2 tablespoons in 3 gallons of water to cover 1,000 square feet 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.
Endive (Escarole)	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 tablespoons in 3 gallons of water to cover 1,000 square feet 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.
Kale	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 tablespoons in 3 gallons of water to cover 1,000 square feet of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest. Note: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
Lettuce	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 tablespoons in 3 gallons of water to cover 1,000 square feet 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.

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Vegetable Crops Continued:

CROPS	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Lettuce (Continued)	Cutworms (surface, subterranean)	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into soil 2 to 3 inches for surface cutworms, 3 to 6 inches for subterranean cutworms.
	Wireworms	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into soil 4 to 8 inches.
Melons (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians and Hybrids of these) and Watermelons	Aphids, Thrips, Spider Mites	2 tablespoons in 3 gallons of water to cover 1,000 square feet 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.
Onions, Green and Bulb	Onion Thrips	2 tablespoons in 3 gallons of water to cover 1,000 square feet of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 3 applications per season. Do not apply within 14 days of harvest.
Parsnips	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 tablespoons in 3 gallons of water to cover 1,000 square feet 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.
Peas (succulent only)	Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Spider Mites	2 tablespoons in 3 gallons of water to cover 1,000 square feet of garden	Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applications per season. Allow at least 7 days between the last application and harvest.
	Cutworms (surface, subterranean)	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to soil just before planting. Immediately work into soil 2 to 3 inches for surface cutworms, 3 to 6 inches for subterranean cutworms.
	Mole Crickets	2 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil 1 to 2 days before planting. Immediately work into soil 1 to 2 inches.
	Wireworms	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into soil 4 to 8 inches.

Notes: (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.

Vegetable Crops Continued-

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Peppers	Aphids, Colorado Potato Beetles, Flea Beetles, Leafhoppers	2 tablespoons in 3 gallons of water to cover 1,000 square feet of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 5 days of harvest.
Potatoes	Aphids, Flea Beetles, Leafhoppers, Colorado Potato Beetles, Southern Armyworms, Dipterous Leafminers	2 tablespoons in 3 gallons of water to cover 1,000 square feet of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 35 days of harvest. Note: Resistant leaf- miners will not be controlled by diazinon or similar type insecticides.
Radishes	Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworms, Dipterous Leafminers	2 tablespoons in 3 gallons of water to cover 1,000 square feet of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 3 applications per season. Do not apply within 14 days of harvest. Note: Resistant leaf- miners will not be controlled by diazinon or similar type insecticides.
	Cutworms (surface, subterranean)	6 tablespoons per 500 square feet in a minimum of 1,000 square feet of garden	Broadcast to the soil just before planting. Immediately work into soil 2 to 3 inches for surface cutworms, 3 to 6 inches for subterranean cutworms.
Spinach	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 tablespoons in 3 gallons of water to cover 1,000 square feet of garden	Thoroughly spray all plant parts. Repeat application every 7 days to 5 applications per season. Do not apply within 14 days of harvest. Note: Resistant leaf- miners will not be controlled by diazinon or similar type insecticides.
Squash, Summer	Aphids, Thrips, Spider Mites	2 tablespoons in 3 gallons of water to cover 1,000 square feet 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.
Squash, Winter	Aphids, Thrips, Spider Mites	2 tablespoons in 3 gallons of water to cover 1,000 square feet 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.
Sweet Corn	Aphids, Flea Beetles, Grasshoppers, Spider Mites	2 tablespoons in 3 gallons of water to cover 1,000 square feet 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.
	Cutworms (surface, subterranean)	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into soil 2 to 3 inches for surface cutworms, 3 to 6 inches for subterranean cutworms.

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Vegetable Crops Continued:

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Sweet Corn (Continued)	Mole Crickets	2 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil 1 to 2 days before planting. Immediately work into soil 1 to 2 inches.
	Wireworms	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into soil 4 to 8 inches.

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

Tomatoes	Aphids, Colorado Potato Beetles, Fall Armyworms, Flea Beetles, Leafhoppers, Southern Armyworms, Vinegar Flies (<i>Drosophila</i> spp.)	2 tablespoons in 3 gallons of water to cover 1,000 square feet of garden	Thoroughly spray all plant parts. Repeat application every 7 days to 5 applications per season. Do not apply within 1 day of harvest.
	Cutworms (surface, subterranean)	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into soil 2 to 3 inches for surface cutworms, 3 to 6 inches for subterranean cutworms.
	Wireworms	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into soil 4 to 8 inches.

Turnips and Turnip Tops	Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworms, Dipterous Leafminers	2 tablespoons in 3 gallons of water to cover 1,000 square feet 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 leaf-miners will not be controlled by diazinon or similar type insecticides.
	Cutworms, (surface, subterranean)	6 tablespoons per 500 square feet in a minimum of 1 1/2 gallons of water	Broadcast to the soil just before planting. Immediately work into soil 2 to 3 inches for surface cutworms, 3 to 6 inches for subterranean cutworms.

LIMITED WARRANTY AND DISCLAIMER. The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use. THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law. The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

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