

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAR 15 1993

3005430563
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Mr. Jon M. Gehring
Wilbur-Ellis Company
P.O. Box 9518
Fresno, CA 93792

Dear Mr. Gehring:

Subject: Amendment - Label and Formulation Change identical
to Ciba-Geigy's Product
Black leaf 25% Diazinon
EPA Registration No. 5887-132
Your Submission dated January 7, 1993

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below.

1. On page 2 of your label under "Environmental Hazards" revise the last sentence to read as follows:
.....Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

2. On page 3, change the last word on the first line from "laws" to "lawn".

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

Sincerely yours,

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

Enclosure:

CONCURRENCES							
SYMBOL							
SURNAME	Moats						
DATE	10/3/93						

2919

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAR 15 1993

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
Amended, for the pesticide
registered under EPA Reg. No.

5887-132

[Front Panel]

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

BLACK LEAF (R)

25% Diazinon

For outdoor use on home lawns and the home garden only.

Kills certain outdoor insects which destroy lawns, vegetables, flowers, fruits and nuts, roses, shrubs and trees.

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

See right panel for additional precautionary statements.

EPA Reg. No. 5887-132

EPA Est. No. 70-KY-1

NET CONTENTS 1 Pint (16 FL. OZ.) 473 mL

[Side Panel]

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.

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 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.

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

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

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.

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 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 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, 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 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\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.

GENERAL INFORMATION

Black Leaf 25% Diazinon is an emulsifiable concentrate product which must be diluted with water before application. Refer to the section How to Mix

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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.

Black Leaf 25% Diazinon 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 green houses.

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. Applications should be repeated only as directed to maintain control.

Step # 2: Use clean sprayer. Carefully measure and mix the amount of **Black Leaf 25% Diazinon** 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 tablespoon = 3 teaspoons

1 fl. oz. = 6 teaspoons or 2 tablespoons

6 fl. oz. = 3/4 cup

1 1/2 tablespoons in 3 gals. of water = 1 1/2 teaspoons in 1 gal. of water

2 tablespoons in 3 gals. of water = 2 teaspoons in 1 gal. 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 November 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

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directions, or if waterfowl, i.e., 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, Dicondra, Fescue, Merion and St. Augustine grass.

To control pests listed below, apply recommended rates.

STORAGE AND DISPOSAL

General: Do not contaminate water, food, feed, or other pesticides by use, storage, or disposal. If damaged, leaking, or spilled, soak up and wrap waste, then dispose of as below. USE CONTENTS WITHIN 6 MONTHS AFTER OPENING.

Storage: Keep in upright, tightly closed original container in a cool, dry, locked area away from flames, sparks, sunlight, other chemicals, and sources of ignition, heat, degradation, or contamination. **Disposal:** Do not reuse empty container. Rinse original container thoroughly, then securely wrap in several layers of newspaper and discard in trash. If disposal of a partially full container is necessary, make sure the cap is tightly closed, securely wrap the container in several layers of newspaper, and discard in trash.

Pests	RATE		Remarks
	25% Diazinon	Water	
Lawn Chinch Bugs	1 1/2 tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 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 teaspoons 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 Bermudagrass Mites, Clover Mites, Springtails (Collembola) Crickets Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Leafhoppers, Sod Webworms (Lawn Moths),	1 1/2 tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	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. Billbug control: Apply

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(Cont.)

Sowbugs
(Pillbugs)

when activity is first observed or when chewed or brown grass is present indicating damage from the insect.

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 tablespoons
per 125 sq. ft.
or
6 fl. oz. per
1,000 sq. ft.

3 gals.

NOTE: Do not apply this
this product to animals.

24 gals.

For brown dog ticks,
spray grass and under
shrubby, particularly
near house.

Hyperodes Weevil

1 1/2 tablespoons
per 125 sq. ft.
or
6 fl. oz. per
1,000 sq. ft.

3 gals.

Treat problem areas in
Mid April and again in
mid-May. Water grass
thoroughly after
application.

24 gals.

Millipedes

1 1/2 tablespoons
per 125 sq. ft.
or
6 fl. oz. per
1,000 sq. ft.

3 gals.

Thoroughly wet grass a
few hours before
applying.

24 gals.

Rhodesgrass
Scales

1 1/2 tablespoons
per 125 sq. ft.
or
6 fl. oz. per
1,000 sq. ft.

3 gals.

Apply when crawlers
first emerge.

24 gals.

White Grubs of
Japanese Beetles
European Chafer
Southern Chafer

1 1/2 tablespoons
per 125 sq. ft.
or
6 fl. oz. per
1,000 sq. ft.

3 gals.

Apply any time between
late July and early
October. Water grass
thoroughly after
application

24 gals.

Nuisance Pests Outside the Home

Ants, Boxelder Bugs, 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.

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(cont)

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 and Flowers

Trees and Shrubs	Insects	Rate per 3 gals. of Water	Timing/Special Directions
Arborvitae, Azaleas, Birch, Boxwood, Camellias, Douglas, Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron,	Aphids, Bagworms, European Pine Shoot Moths, Holly Bud Moths, Dipterous Leaf- miners (Arbor- vitae, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen,	2 table- spoons	Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.

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Spruce, Willow

European Red,
Privet, Two-
spotted Spider),
Obscure Root
Weevils,
Omnivorous Leaf-
tiers, Scale
Crawlers
(Cottonycushion,
Euonymus,
Lecanium, Pine
Needle, Pit,
San Jose, Soft)

Webworms,
(Juniper, Mimosa)
Whiteflies

2 table-
spoons

Apply as a thorough foliar
spray. Mimosa Webworms:
apply as a thorough foliar
spray when adults first
appear. Make two
additional applications at
4-5 week intervals.

Apple-and-Thorn
Skeletonizers,
Hemlock Chermes,
Oak Loopers,
Obliquebanded
Leafrollers,
Pear Slugs,
Tent Caterpillars,
Webworms
(Cotoneaster,
Fall)

2 table-
spoons

Apply as a thorough foliar
spray

Roses and Flowers	Insects	Rate per 3 Gals. of Water	Timing/Special Directions
Azaleas, Camellias Chrysanthemums, Carnations Gladioli, Lilac, Rhododendron, Roses	Aphids, Euonymus Scale Crawlers, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, Euro- pean Red, Two-spotted Spider), Thrips, Whiteflies	2 table- spoons	Apply as a thorough foliar... spray. Try to spray under- side of leaves and... penetrate dense foliage.

Fruits and Nuts

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 (Pre-Harvest Interval) 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. NOTE: The Pre-Harvest Interval (PHI) is listed beside each crop in the following table.

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

Crop (PHI)	Pest	Rate	Timing/Special Directions
Almonds* (CA only) *Dormant Spray only.	San Jose scale, Parlatoria scale	2 tablespoons in 3 gals. of water	Apply as a dormant spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. This product may be used on almonds only in CA. Do not use this product on almonds grown in other states.
Apricots (21)	Aphids, Apricot Mealybugs, Mites (Brown) Two-spotted Spider), Scale Crawlers (Olive, San Jose)	4 teaspoons in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 applica- tions per season a minimum of 14 days apart.
Caneberries (7) (CA, OR, WA only) Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries	Aphids, Leafhoppers, Raspberry Fruitworms, Two-spotted Spider Mites, Thrips	2 tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 5 gallons per 500 sq. ft. of field. Do not make more than 5 applica- tions per season a minimum of 14 days apart. This product may be used on caneberries

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(cont)			only in CA, OR and WA. Do not use this product on caneberries grown in other states.
Cherries (21)	Black Cherry Aphids Cherry Fruitflies Cherry Fruitworms (Maggots), Fruittree Leafrollers, Mites (Cherry Rust), Crawlers (San Jose)	4 teaspoons in 2 gals. of water applications per	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 Scale season a minimum of 7 days apart.
Grapes (28)	Aphids, Leafhoppers, Grape Berry Moths Grape Leafrollers	4 1/2 tea- spoons 3 gals. of water.	Apply as a full cover spray. Do not apply more than 3 gallons per 500 sq. ft. of vineyard. Do not make more than 5 applications per season a minimum of 7 days apart.
Nectarines (21) Peaches (21)	Aphids Mites (Brown, Two-spotted Spider), Scale Crawlers (Olive, San Jose)	4 teaspoons in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 appli- cations per season a minimum of 14 days apart.
Plums (21) and Prunes (21)	Aphids (Leafcurl Plum, Mealy Plum, Thistle), Mites (Brown, European Red)	4 teaspoons in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 applica- tions per season a minimum of 7 days apart.
Strawberries (5)	Aphids, Two-spotted Spider Mites, Strawberry Leafrollers	2 table- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 3 gallons per 500 sq. ft. of field. Do not make more than 3 applica- tions per season a minimum of 7 days

(cont)			apart.
Walnuts (45) (CA only)	Aphids, Scale Crawlers (Walnut, Italian Pear, Frosted), Spider Mites, Twig Borers	2 table- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 3 applica- tions per season 14 days apart. Do not apply after husks open of split.

NOTE: This product may be used on walnuts only in CA. Do not use this product on walnuts grown in other states.

Vegetables

For foliar or soil applications Black Leaf 25% Diazinon 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 (Pre-Harvest Interval) between last foliar 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. NOTE: The Pre-Harvest Interval (PHI) for foliar applications is listed beside each crop in the following table.

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

Crop (PHI)	Pest	Rate	Timing/Special Directions
Beans (7) Lima, Pole and Snap (succulent varieties only)	Aphids, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applica- tions per season.
	Cutworms (surface, subterranean)	6 table- spoons in per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting, immediately work into soil 2-3 inches for surface cutworms; 3-6 inches for subterr- anean cutworms.
	Mole Crickets	2 table-	Broadcast to the soil

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		spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water.	1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms (snap beans only)	6 table-spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.

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.

Beets, Red (Table)	Cutworms (surface, subterranean)	6 table-spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 table-spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.
Broccoli (7) Cauliflower (7) Chinese Broccoli (10) Chinese Cabbage (10) (Bok Choy and Napa) Collards (10)	Aphids, Diamondback Moths, Flea Beetles, Imported cabbageworms, Dipterous Leafminers	2 table-spoons in 3 gals. of water to cover 1,000 sq. ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season.

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

Cabbage (21)	Aphids, Diamondback Moths, Flea Beetles,	2 table-spoons in 3 gals. of water to	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applic-
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	Imported cabbageworms, Dipterous Leafminers	cover 1,000 sq. ft. of garden.	ations per season.
	Cutworms (surface, subterranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for sub- terranean cutworms.
	Root Maggots	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches.
	Wireworms	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Carrots (14)	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applic- ations per season. NOTE: Resistant leaf- miners will not be controlled by Diazinon or similar type insecticides.
	Cutworms (surface, subterranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for sub- terranean cutworms.
	Mole Crickets	2 table- spoons per	Broadcast to the soil 1-2 days before plant-

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		500 sq. ft. in a minimum of 1 1/2 gals. of water	ing. Immediately work into soil 1-2 inches.
	Wireworms	6 table-spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Cucumbers (7)	Aphids, Thrips, Spider Mites	2 table-spoons in 3 gals. of water to cover 1000 sq.ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season.
Endives (14) (Escarole)	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 table-spoons in 3 gals. of water to cover 1,000 sq. ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. NOTE: Resistant leafminers will not be controlled by Diazinon or similar type insecticides.
(Kale (10)	Aphids, Diamondback Moths, Flea Beetles, Imported cabbageworms, Dipterous Leafminers	2 table-spoons in 3 gals. of water to cover 1,000 sq. ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. NOTE: Resistant leafminers will not be controlled by Diazinon or similar type insecticides.
Lettuce (14)	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 table-spoons in 3 gals. of water to cover 1,000 sq.ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. NOTE: Resistant leaf-

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			miners will not be controlled by Diazinon or similar type insecticides.
	Cutworms (surface, subterranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for sub-of terranean cutworms.
	Wireworms	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Melons (3) (Cantalopes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians, and Hybrids of these) and Watermelons	Aphids, Thrips, Spider Mites	2 table- spoons in 3 gals. of water to cover 1000 sq.ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season.
Onions (14) (Bulb & Green)	Onion Thrips	2 table- spoons in 3 gals. of water to cover 1000 sq.ft. of garden.	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season.
Parsnips (14)	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 table- spoons in 3 gals. of water to cover 1000 sq.ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. NOTE: Resistant leafminers will not be controlled by Diazinon or similar type insecticides.

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Peas (7)
(succulent
only)

Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Spider Mites	2 table- spoons in 3 gals. of water to cover 1000 sq.ft. of garden.	Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applica- tions per season.
Cutworms (surface, subterranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for sub- terranean cutworms.
Mole Crickets	2 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before plant- ing. Immediately work into soil 1-2 inches.
Wireworms	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 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.

Peppers (5)	Aphids, Colorado Potato Beetles, Flea Beetles, Leafhoppers	2 table- spoons in 3 gal. of water to cover 1000 sq.ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season.
Potatoes (35)	Aphids, Flea Beetles, Leafhoppers Colorado Potato Beetles, Southern Army- worms,	2 table- spoons in 3 gals. of water to cover 1000 sq.ft of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season. NOTE: Resistant leaf miners will not be

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(cont)	Dipterous Leafminers		controlled by Diazinon or similar type insecticides.
Radishes (14)	Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworms, Dipterous Leafminers	2 table- spoons in 3 gals. of water to cover 1000 sq.ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 3 applica- tions per season. NOTE: Resistant leaf miners will not be controlled by Diazinon or similar type insecticides
	Cutworms (surface, subterranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for sub- terranean cutworms.
Spinach (14)	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 table- spoons in 3 gals. of water to cover 1000 sq.ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season.
Squash, Summer (7) Winter (3)	Aphids, Thrips, Spider Mites	2 table- spoons in 3 gal. of water to cover 1000 sq.ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season.
Sweet Corn (7)	Aphids, Thrips, Flea Beetles, Grasshoppers, Spider Mites	2 table- spoons in 3 gals. of water to cover 1000 sq.ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season.
	Cutworms (surface, subterranean)	6 table- spoons per 500 sq. ft. in a minimum of	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms,

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(cont)

	1 1/2 gals. of water	3-6 inches for sub- terranean cutworms.
Mole Crickets	2 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before plant- ing. Immediately work into soil 1-2 inches.
Wireworms	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.

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

Tomatoes (1)	Aphids, Colorado Potato Beetles, Fall Armyworms, Flea Beetles, Leafhoppers, Southern Armyworms, Vinegar Flies (Drosophila spp.)	2 table- spoons in 3 gals. of water to cover 1000 sq.ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica- tions per season.
	Cutworms (surface, subterranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for sub- terranean cutworms.
	Wireworms	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Turnips & Turnip Tops (14)	Aphids, Flea Beetles, Leafhoppers, Imported	2 table- spoons in 3 gals. of water	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applica-

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(cont)

Cabbageworms, Dipterous Leafminers	to cover 1000 sq.ft. of garden	tions per season. NOTE: Resistant leaf miners will not be controlled by Diazinon or similar type insecticides.
Cutworms (surface, subterranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for sub- terranean cutworms.

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