

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PM 13 70-177

10719

MAR 9 1993

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Mr. Jon M. Gehring
Wilbur-Ellis Company
P.O. Box 16458
Fresno, CA 93755

Dear Mr. Gehring:

Subject: Amendment - Label and Formulation Change identical
to Ciba-Geigy's Product
Kill-Ko Diazinon 2E Insect Spray
EPA Registration No. 70-177
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	Mcats							
DATE	3/9/93							

[Front Panel]

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

KILL-KO (R)

Diazinon 2E

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. 70-177
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.

MAR 9 1993
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 70-177

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.

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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

KILL-KO Diazinon 2E 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 laws, 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. KILL-KO Diazinon 2E 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 KILL-KO Diazinon 2E 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

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 partial 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
	Diazinon 2E	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 (Collumbola) 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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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. 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 tablespoons 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 in mid-May. Water grass thoroughly after application.
Millipedes	1 1/2 tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	Thoroughly wet grass a few hours before applying.
Rhodesgrass Scales	1 1/2 tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	Apply when crawlers first emerge.
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. 24 gals.	Apply any time between late July and early October. Water grass thoroughly after application

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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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 Leafminers (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites	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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<p>Spruce, Willow</p>	<p>(Clover, Cyclamen, European Red, Privet, Two-spotted Spider), Obscure Root Weevils, Omnivorous Leaf-tiers, Scale Crawlers (Cottonycushion, Euonymus, Lecanium, Pine Needle, Pit, San Jose, Soft</p>		
	<p>Webworms, (Juniper, Mimosa) Whiteflies</p>	<p>2 table- spoons</p>	<p>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.</p>
	<p>Apple-and-Thorn Skeletonizers, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars, Webworms (Cotoneaster, Fall)</p>	<p>2 table- spoons</p>	<p>Apply as a thorough foliar spray</p>

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

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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 (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.
NOTE: This product may be used on almonds only in product on almonds grown in other states.			CA. Do not use this
Apricots (21)	Aphids, Apricot Mealybugs, Mites (Brown Two-spotted Spider), Scale Crawlers (Olive, SanJose)	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 only in CA, OR and WA. Do not use this product on caneberries grown in other states.
Cherries (21)	Black Cherry Aphids,	4 teaspoons	Apply as a full cover

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	Cherry Fruitflies, Cherry Fruitworms (Maggots) Fruittree Leafrollers, Mites (Cherry Rust), Scale Crawlers (San Jose)	in 2 gals. of water	spray. Do not apply more than 4 gallons per 500 sq. ft. of orchard. Do not make more than 3 applications per 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 applications 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 - 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 apart.
Walnuts (45) (CA only)	Aphids, Scale Crawlers (Walnut, Italian Pear, Frosted),	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

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Spider Mites,
Twig Borers

orchard. Do not make more than 3 applications 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 KILL-KO Diazinon 2E 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- spoons per 500 sq. ft. in a mini- mum 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 (snap beans)	6 table- spoons	Broadcast to the soil just before planting.

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(cont.)	only)	per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Immediately work into soil 4-8 inches.
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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, 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.
	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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		1 1/2 gals. of water	3-6 inches for subterranean 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 applications per season. NOTE: Resistant leafminers 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 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.
	Wireworms	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals.	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.

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		of water	
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 applica- tions 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 applica- tions per season. NOTE: Resistant leaf- miners 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 applica- tions per season. NOTE: Resistant leaf- miners 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 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.

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	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) (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians, and Hybrids of these) and) Watermelons	Aphids Thrips Spider Mites	2 table- spoons per 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.
Onions (14) (Bulb and Green)	Onion Thrips	2 table- spoons per 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.
Parsnips (14))	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 table- spoons per 3 gals. of 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 controlled by Diazinon or similar type insecticides.
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	Broadcast to the soil... just before planting... Immediately work into soil 2-3 inches for

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	minimum of 1 1/2 gals. of water	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 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.
Potatoes (35)	Aphids, Flea Beetles, Leafhoppers, Colorado Potato Beetles, Southern Army- worms, 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 5 applica- tions per season. NOTE: Resistant leaf miners will not be 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 5 applica- tions per season. NOTE: Resistant leaf miners will not be controlled by Diazinon or similar type

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			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 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.
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. Corn may be picked 7 days following last application.
	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-	Broadcast to the soil

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spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	just before planting. Immediately work into soil 4-8 inches.
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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 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 5 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	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for

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Kill-Ko Diazinon 2-E (B:\labels\Diazin2e

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minimum of
1 1/2 gals.
of water

surface cutworms,
3-6 inches for sub-
terranean cutworms.

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