

Louisiana Chemical USA
 c/o Ms. Kim Davis
 RegWest Company
 P.O. Box 2220
 Greeley, Co 80632-2220

Dear Ms. Davis:

Subject: Amendment- Revise per Diazinon Registration Standard
 Davis Kill-A-Bug IV
 EPA Registration No. 11746-33
 Your Letter Dated October 22, 1993

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

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Under "DIRECTIONS FOR USE: Notes change "Do not apply to food crops grown in green houses." to read "Do not apply in greenhouses."

b. Under Indoor replace "When used indoors, care....food containers or cooking utensils." with "PRECAUTIONS: Do not use this product indoors as an overall surface spray or as a space spray: take care not to introduce this product into the air during application. Use only in well ventilated areas. Do not apply where children are likely to frequently contact treated surfaces. Remove or cover fish bowls and remove pets before application. Do not treat pets or plants with this product. Do not allow children or pets in treated areas until product has dried. Avoid excess wetting of carpet, floor coverings or unfinished materials because damage may occur. Care should be taken to avoid spotting of walls, wall

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coverings, and fabrics. Do not apply directly to conduits, motor housings or electric switch boxes. Do not apply to areas, surfaces or utensils which contact food or feed. Exposed food should be covered or removed during application. All food processing surfaces and utensils should be covered during application or thoroughly wash with soap and water before use. Do not treat plants or pets with this product. If clothing becomes wet during application, remove clothing immediately, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again.

c. Under **Insects for Trees and Shrubs** change "European Pine, Shoot Moths" to read "European Pine Shoot Moths".

d. Under **TIMING/SPECIAL INSTRUCTIONS** for Almonds (CA only) change "600 sq. ft." to read "500 sq. ft.".

e. Under **TIMING/SPECIAL INSTRUCTIONS** for Cabbage change "4-6 inches" to read "4-8 inches".

f. Under **TIMING/SPECIAL INSTRUCTIONS** for Lettuce change "4-6 inches" to read "4-8 inches".

g. Under **PRECAUTIONARY STATEMENTS Hazards to Humans & Domestic Animals** delete "Do not use inside the home.".

h. Under **PRECAUTIONARY STATEMENTS Environmental Hazards** change "To not contaminate water" to read "Do not contaminate water".

3. Submit three (3) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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

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

Sincerely,

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

Enclosure

DAVIS KILL-A-BUG IV DIAZINON 2E

LAWN AND GARDEN INSECT CONTROL

This product must not be used on golf courses and sod farms.

Recommended for Commercial/Industrial Use Only.

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

For indoor use only in homes and other residential areas.

Spray concentrate -- Contains diazinon Insecticide

PROTECTS OUTDOORS

Lawns, Vegetables, Fruits and Nuts, Roses,
Flowers, Trees and Shrubs

CONTROLS OUTDOORS

Ants, Aphids, Chinch Bugs, Cutworms, Fire Ants¹,
Flea Beetles, Grubs, Mites, Sod Webworm and Many Others

¹Aids in Control

CONTROLS INDOORS

Roaches, Ants, Waterbugs, Silverfish, Spiders, Crickets, Earwigs,
Brown Dogs Ticks and Fleas

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

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CAUTION

See end of booklet for additional precautionary statements.

NET CONTENTS: _____

LOUISIANA CHEMICAL USA, INC.
6155 Evangeline Street: Baton Rouge, LA 70815

EPA Reg. No. 11746-33

EPA Est. 11746-LA-1

11746-33

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

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

CONDITIONS OF SALE AND WARRANTY

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

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

LOUISIANA CHEMICAL USA, INC. and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing *Conditions of Sale and Warranty*, which may be varied only by agreement in writing signed by a duly authorized representative of LOUISIANA CHEMICAL USA, INC.

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: This product is an emulsifiable concentrate product which must be diluted with water before application. Refer to the section *How to Mix and Apply*. This product kills many outdoor insects which damage lawns, roses, flowers, trees, shrubs, vegetables, fruits and nuts and insect which annoy pets and people. Contains diazinon insecticide which provides positive control of many "hard-to-kill" sucking and chewing insects. This product 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, except as specified on this label. (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, except indoors, 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 this product 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 outdoor 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. = $\frac{3}{4}$ cup

1 $\frac{1}{2}$ tablespoons in 3 gals. of water = 1 $\frac{1}{2}$ teaspoons in 1 gal. of water.

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

INDOORS

Prepare a $\frac{1}{2}$ % spray by thoroughly mixing 2 $\frac{1}{2}$ fl.oz. (5 tablespoons) of this product with sufficient water to make one gallon of finished spray.

Roaches, Ants, Waterbugs, Silverfish, Spiders, Crickets and Earwigs: Make spot applications to areas infested with these insects. Application should be made as a coarse spray, or with a paint brush, to baseboards, areas around water pipes, cracks and crevices, surfaces behind and beneath cabinets, refrigerators, sinks, stoves and similar areas where these insects hide. Treatments should be repeated as necessary. Under conditions of heavy cockroach infestation, it is suggested that the first application be made at a strength of 1% (5 fl.oz. of this product per gallon of water), followed by monthly applications of $\frac{1}{2}$ % sprays of this product.

Brown Dog Ticks and Fleas*: Thoroughly spray infested areas around baseboards, window and door frames, wall cracks, sleeping quarters of household pets and localized areas of floors and floor coverings. Applications should be repeated as infestations warrant and as reinfestations occur. Fresh bedding should be placed in animals' quarters following treatment. Pets should be treated with a product registered for use on pets prior to entering the treated area. Do not treat animals with this formulation. *Controls adult fleas on areas treated.

When used indoors, care should be taken to avoid deposits which could be frequently contacted by children. Care should also be taken to avoid spotting of wallpaper and fabrics. Do not contaminate food, food containers or cooking utensils.

OUTDOORS

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, NY 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 treatment area after treatment (except spot treatment), water lawns with at least $\frac{1}{4}$ inch of water immediately after spraying this product; however, stop watering before puddling occurs.*

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

To control pests listed below, apply recommended rates.

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PESTS	RATE		REMARKS
	DIAZINON 2E	WATER	
Lawn Chinch Bugs	1 1/2 tbsp. per 125 sq.ft.	3 gals.	Thoroughly wet down grass a few hours before apply- ing.
	or 6 fl.oz. per 1,000 sq.ft.	24 gals.	In the North, if Chinch Bugs are the only problem, a low- er rate of application can be used: 3 tsp. 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, Bermuda- grass, Mites, Clover Mites, Springtails (<i>Collembola</i>), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Leafhoppers, Sod Webworms (Lawn Moths), Sowbugs (Pillbugs)	1 1/2 tbsp. per 125 sq.ft.	3 gals.	Thoroughly wet down grass a few hours before apply- ing.
	or 6 fl.oz. per 1,000 sq.ft.	24 gals.	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 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 applica- tion until grass is dry.
Brown Dog Ticks, Chiggers, Fleas	1 1/2 tbsp. per 125 sq.ft.	3 gals.	Note: Do not apply this prod- uct to animals.
	or 6 fl.oz. per 1,000 sq.ft.	24 gals.	For brown dog ticks, spray grass and under shrubbery, particularly near house.
Hyperodes Weevil	1 1/2 tbsp. per 125 sq.ft., or	3 gals.	Treat problem areas in mid- April and again in mid-May.
	6 fl.oz. per 1,000 sq.ft.	24 gals.	Water grass thoroughly after application.
Millipedes	1 1/2 tbsp. per 125 sq.ft., or	3 gals.	Thoroughly wet grass a few hours before applying.
	6 fl.oz. per 1,000 sq. ft.	24 gals.	
Rhodesgrass Scales	1 1/2 tbsp. per 125 sq.ft., or	3 gals.	Apply when crawlers first emerge.
	6 fl.oz. per 1,000 sq.ft.	24 gals.	
White Grubs of Japanese Beetle, European Chafer, Southern Chafer	1 1/2 tbsp. per 125 sq.ft., or	3 gals.	Apply any time between late July and early October.
	6 fl.oz. per 1,000 sq.ft.	24 gals.	Water grass thoroughly after application.

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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.

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 tbsp. 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 gentle 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, Rhodendron, 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),	2 tbsp.	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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TREES AND SHRUBS	INSECTS	RATE PER 3 GALS. OF WATER	TIMING/SPECIAL DIRECTIONS
Arborvitae, etc. (continued)	Obscure Root Weevils, Omnivorous Leaf-tiers, Scale Crawlers (Cottony-cushion, Euonymus, Lecanium, Pine, Needle, Pit, San Jose, Soft)		
	Webworms (Juniper, Mimosa), Whiteflies	2 tbsp.	Apply as a thorough foliar spray. Mimosa Webworms: Apply as a thorough foliar spray when adults first appear. Make two additional applica- tions at 4-5 week intervals.
Arborvitae, Etc. (continued)	Apple-and-Thorn Skeletonizers, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Cater- pillars, Webworms (Cottoneaster, Fall)	2 tbsp.	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, Rhodendron, Roses	Aphids, Euonymus, Scale Crawlers, Flea Beetles, Dipterous Leafminers, Leaf- hoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Two-spotted Spider), Thrips, Whiteflies	2 tbsp.	Apply as a thorough foliar spray. Try to spray underside 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 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.

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CROP	PHI* (DAYS)
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, Pariatoria scale	2 tbsp. in 3 gals. of water	Apply only as a dormant spray. Do not apply more than 6 gals. per 600 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	Aphids, Apricot Mealybugs, Mites (Brown, Two- spotted Spider), Scale Crawlers (Olive, San Jose)	4 tsp. in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gals. per 500 sq.ft. or orchard. Do not make more than 3 applications per season a minimum of 14 days apart. Do not apply withir. 21 days of harvest.
Caneberries (CA, OR and WA only): Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries	Aphids, Leafhoppers, Raspberry Fruit- worms, Two- spotted Spider Mites, Thrips	2 tbsp. in 3 gals. of water	Apply as a full cover spray. Do not apply more than 5 gals. per 500 sq.ft. 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. This product may be used on caneberries only in CA, OR and WA. 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 Fruitflies, Cherry Fruitworms (Maggots), Fruit-tree Leafrollers, Mites (Cherry Rust), Scale Crawlers (San Jose)	4 tsp. in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gals. per 500 sq.ft. 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	4½ tsp. in 3 gals. of water	Apply as a full cover spray. Do not apply more than 3 gals. per 500 sq.ft. 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 tsp. in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gals. per 500 sq.ft. 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 tsp. in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gals. per 500 sq.ft. 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 tsp. in 2 gals. of water	Apply as a full cover spray. Do not apply more than 4 gals. per 500 sq. ft. 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 Leafrollers	2 tbsp. in 3 gals. of water	Apply as a full cover spray. Do not apply more than 3 gals. per 500 sq. ft. of field. Do not make more than 3 application per season a minimum of 7 days apart. Do not apply within 5 days of harvest.
Walnuts (CA only)	Aphids, Scale Crawlers (Walnut, Italia Pear, Frosted), Spider Mites,	2 tbsp. in 3 gals of water	Apply as a full cover spray. Do not apply more than 6 gals. per 500 sq.ft. of orchard. Do not make more than 3 applications

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Walnuts (CA only) (continued)	Twig Borers		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 CA. Do not use this product on walnuts grown in other states.

VEGETABLES

For foliar or soil applications. This product 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.

CROP	PHI* (DAYS)
Beans ¹ (succulent varieties only: Lima, Pole and Snap)	7
Broccoli	7
Cabbage	21
Cantaloupes	3
Carrots	14
Casabas	3
Cauliflower	7
Chines Broccoli, Chinese Cabbage, Collards	10
Crenshaws	3
Cucumbers	7
Endive (Escarole)	14
Honeydew Melons	3
Kale	10
Lettuce	14
Muskmelons	3
Onions (Bulb and Green), Parsnips	14
Peas ¹	7
Peppers	5
Potatoes (Irish)	35
Radishes, Spinach	1 1/2
Squash, Summer	7
Squash, Winter	3
Sweet Corn	7
Tomatoes	1
Turnips (Roots and Tops)	14
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.



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Vegetables: 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, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Spider Mites	2 tbsp. 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 applications per season. Do not apply within 7 days of harvest.
	Cutworms (surface and subterranean)	6 tbsp. 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 tbsp. 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 (snap beans only)	6 tbsp. 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.
Beets, Red (Table)	Cutworms (surface and subterranean)	6 tbsp. 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 tbsp. 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	Aphids, Diamond-back Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 tbsp. 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. Do not apply within 7 days of harvest. Note: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
Cabbage	Aphids, Diamond-back Moths, Flea Beetles, Imported Cabbageworms,	2 tbsp. 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. Do not apply within 21 days of

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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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Cabbage (continued)	Dipterous Leafminers		harvest.
	Cutworms (surface and subterranean)	6 tbsp. 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.
	Root Maggots	6 tbsp. 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 tbsp. 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 4-6 inches.
Carrots	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 tbsp. 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. Do not apply within 14 days of harvest. Note: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
	Cutworms (surface and subterranean)	6 tbsp. 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 tbsp. 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 tbsp. 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.
Cauliflower	Aphids, Diamond-back Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 tbsp. 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. Do not apply within 7 days of harvest. Note: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
Chinese Broccoli	Aphids, Diamond-back Moths, Flea	2 tbsp. in 3 gals. of water	Thoroughly spray all plant parts. Repeat application every 7 days

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Chinese Broccoli (continued)	Beetles, Imported Cabbageworms, Dipterous Leaf- miners	to cover 1,000 sq.ft. of garden	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, Diamond- back Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leaf- miners	2 tbsp. 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. Do not apply within 10 days of harvest. Note: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
Collards	Aphids, Diamond- back Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leaf- miners	2 tbsp. 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. Do not apply within 10 days of harvest. Note: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
Cucumbers	Aphids, Thrips, Spider Mites	2 tbsp. 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. Do not apply within 7 days of harvest.
Endive (Escarole)	Aphids, Flea Beetles, Leaf- hoppers, Dipterous Leafminers, Spider Mites	2 tbsp. 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. Do not apply within 14 days of harvest. Note: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
Kale	Aphids, Diamond- back Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leaf- miners	2 tbsp. 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 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, Leaf- hoppers, Dipterous Leafminers, Spider Mites	2 tbsp. 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 Do not apply within 14 days of harvest. Note: Resistant leafminers will

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Lettuce (continued)			not be controlled by diazinon or similar type insecticides.
	Cutworms (surface and subterranean)	6 tbsp. 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.
	Wireworms	6 tbsp. 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 4-6 inches.
Melons: Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians, and Hybrids of these; and Watermelons	Aphids, Thrips, Spider Mites	2 tbsp. 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. Do not apply within 3 days of
Onions: Bulb and Green	Onion Thrips	2 tbsp. 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. Do not apply within 14 days of harvest.
Parsnips	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 tbsp. 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. 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 tbsp. 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 applications per season. Allow at least 7 days between the last application and harvest.
	Cutworms (surface and subterranean)	6 tbsp. 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 tbsp. 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.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Peas (succulent only) (continued)	Wireworms	6 tbsp. 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	Aphids, Colorado Potato Beetles, Flea Beetles, Leafhoppers	2 tbsp. 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. Do not apply within 5 days of harvest.
Potatoes	Aphids, Flea Beetles, Leafhoppers, Colorado Potato Beetles, Southern Armyworms, Dipterous Leafminers	2 tbsp. 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. Do not apply within 35 days of harvest. Note: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
Radishes	Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworms, Dipterous Leafminers	2 tbsp. 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 3 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 and subterranean)	6 tbsp. 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.
Spinach	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 tbsp. 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. Do not apply within 14 days of harvest. Note: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
Squash, Summer	Aphids, Thrips, Spider Mites	2 tbsp. 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. Do not apply within 7 days of harvest.

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Squash, Winter	Aphids, Thrips, Spider Mites	2 tbsp. 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. Do not apply within 3 days of harvest.
Sweet Corn	Aphids, Thrips, Flea Beetles, Grasshoppers, Spider Mites	2 tbsp. 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. Corn may be picked 7 days following the last application.
	Cutworms (surface and subterranean)	6 tbsp. 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 tbsp. 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 tbsp. 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: (2) 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 spp.</i>)	2 tbsp. 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. Do not apply within 1 day of harvest.
	Cutworms (surface and subterranean)	6 tbsp. 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.
	Wireworms	6 tbsp. 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: Roots and Tops	Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworms,	2 tbsp. 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. Do not apply within 14 days of

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CROP	PEST	RATE	TIMING/SPECIAL DIRECTIONS
Turnips: Rots and Tops (continued)	Dipterous Leaf- miners		harvest. Note: Resistant leafminers will not be controlled by diazinon or similar type insecticides.
	Cutworms (surface and subterranean)	6 tbsp. 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 cut- worms; 3-6 inches for subter- ranean cutworms.

STORAGE AND DISPOSAL

STORAGE: Do not store near heat or open flame. Store in original container in an area inaccessible to children and 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.

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 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 person 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 person to fresh air and apply artificial respiration if indicated. Get medical attention. **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, NY 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



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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), water lawn with at least ¼ 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 wash waters.

This pesticide is highly toxic to bees exposed to direct treatment or to residues on blooming crops or weeds. Do not apply this pesticide or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Physical or Chemical Hazards

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

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