

Mr. Michael Jackson
Platte Chemical Company
P.O. Box 667
Greeley, CO 80632

AUG 14 1990

Subject: Amendment: Revise per Diazinon Registration Standard &
and the Agency's May 1, 1990 Data Call-In letter
to reflect only those uses supported by Ciba-Geigy
25% Diazinon Garden Insect Spray
EPA Reg. No. 34704-531
Your submission dated June 20, 1990

Dear Mr. Jackson:

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

- 1) In the second sentence of the "Environmental Hazards" text, add a comma after "waterfowl", so that it reads: "Birds, especially waterfowl, feeding or drinking on treated areas may be killed."
- 2) A PHI of 5 days should appear for the crop "broccoli" at the bottom of page 3 (it may be correct, but the submitted label copies had a copier ink blot over this number).
- 3) In the "Pest" column for the crop "Beans", revise "Mites" to "Spider Mites".

A stamped copy of the label is enclosed for your records. Please submit five (5) copies of the revised amended label prior to release for shipment under the amended label. NOTE: When preparing your label, do not print the quotation marks that appear around revised text items specified in this letter.

Please refer to the Diazinon Registration Standard, as amended, for release for shipment and channels of trade dates for diazinon products bearing appropriately amended labels.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

AUG 14 1990

CLEAN
Insecticide
25% Diazinon
Garden Insect Spray

34704-531

25% DIAZINON GARDEN INSECT SPRAY

Protects Lawns, Vegetables, Fruits & Nuts,
Roses, Flowers, Trees, Shrubs.

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

† Aids in control.

ACTIVE INGREDIENTS:

Diazinon [Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl)
phosphorothioate] 25.0%
INERT INGREDIENTS: 75.0%

TOTAL 100.0%

* Contains xylene range aromatic solvent
Spray concentrate. Contains diazinon insecticide.

KEEP OUT OF REACH OF CHILDREN WARNING

See Below For Additional Precautionary Statements

EPA REG. NO. 34704-531

EPA EST. NO. _____

NET CONTENTS 1 QUART (946 ml)

28705

EXP05Y80

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed or absorbed through skin. Avoid breathing spray mist. Causes substantial but temporary eye damage. Do not get into eyes, on skin or clothing. Wear goggles or safety glasses. Avoid contact with eyes and skin. Wash thoroughly if on skin and after handling. Do not use in the home. Avoid contamination of feed and food-stuffs. Do not use on household pets or humans. Do not permit children or pets to go onto treated area, such as grass or soil until the spray has dried. Do not contaminate ornamental fish ponds. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.

STATEMENT OF PRACTICAL TREATMENT

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

If inhaled: Remove victim to fresh air and apply artificial respiration if indicated.

If on skin: Wash promptly with soap and water. Rinse thoroughly.

If in eyes: Rinse eyes with plenty of water and call a physician immediately.

Note to Physicians: 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 a xylene range aromatic solvent 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. 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 a minimum of 1/4 inch of water immediately after applying this product. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). 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. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

PHYSICAL OR CHEMICAL HAZARDS

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

DIRECTIONS FOR USE

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

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.

GENERAL INFORMATION

25% DIAZINON GARDEN INSECT SPRAY is an emulsifiable concentrate product which must be diluted with water before application. Refer to the section "How to Mix and Apply." This product kills many outdoor insects which damage lawns, roses, flowers, trees, shrubs, vegetables, fruits and nuts, and insects which annoy pets and people. Contains diazinon insecticide which provides positive control of many "hard-to-kill" sucking and chewing insects. 25% DIAZINON GARDEN INSECT SPRAY 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 house. (3) Do not use on ferns, poinsettias, hibiscus, papaya, plums, gardenia or orchids since injury may occur. (4) Do not use on commercially-grown potatoes which will be later harvested. (5) Use this product on succulent peas and beans only. Do not use on dried peas or bean varieties.

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

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25% DIAZINON GARDEN INSECT SPRAY

EPA REG. NO. 34704-531

25% DIAZINON GARDEN INSECT SPRAY and water as suggested in the rate chart.

Step 63: Spray as directed in rate chart. Thorough coverage is important. Flush sprayer with clean water after each use.

See chart for complete insect list. Use rates shown unless otherwise indicated.

1 tablespoon = 3 teaspoons

1 fl. oz. = 6 teaspoons or 2 tablespoons

6 fl. oz. = 1/2 cup

2 tablespoons in 3 gals. of water = 2 teaspoons in 1 gal. of water or 6 oz. in 18 gals. of water

LAWN PEST CONTROL

Use on Bent, Bermuda, Bluegrass, Dichondra, Fescue, Marion and St. Augustine grasses.

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. Avoid overlapping of sprays when irrigation is recommended in the directions or if waterfowl, i.e., ducks, geese can be expected in the treated area after treatment (except spot treatments), water lawn with at least 1/4 inch water immediately after spraying this product. However, stop watering before puddling occurs.

Pests	Rate		Remarks
	25% DIAZINON GARDEN INSECT SPRAY	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, Bermuda Grass Mites, Clover Mites, Springtails (Collembola), Crickets, Cutworms, Digger Wasps, Earwigs, Flea Beetles, Lawn Sclerotinia, Leafhoppers, Sod Webworms (Lawn Moths), Sowbugs (Pillbugs)	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. For flea beetles, mow grass and water well before treatment, but delay application until grass is dry. Billbug control: Apply when activity is first observed or when chewed or brown grass is present indicating damage from the insect.
Brown Dog Ticks, Chiggers, Fleas	1 1/2 Tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	Note: Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
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.

Pests	Rate		Remarks
	25% DIAZINON GARDEN INSECT SPRAY	Water	
White Grubs of Japanese Beetles, European Chalcids, Southern Chalcids	1 1/2 Tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	Water grass thoroughly after application. Grub control: Apply any time between late July and early October.
H. Japanese Weevil	1 1/2 Tablespoons per 125 sq. ft. or 6 fl. oz. per 1,000 sq. ft.	3 gals. 24 gals.	Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

Nuisance Pests in Outside Areas

Ants, Boulder 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 and ceilings, 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 plants other than tree trunks at this nuisance pest rate.

Fire Ants

To aid in the control of fire ants in lawns and other recreational 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 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 OF TREES, SHRUBS AND FLOWERS

Tree & Shrub	Insects	Rate per 3 gals. of water		Timing/Special Directions
		2 Tablespoons		
Arbutus, Azalea, Birch, Boxwood, Camellia, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow	Aphids, Bagworms, European Pine Shoot Moths, Holly Bud Moths, Diptherous Leafminers (Arbutus, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European Red, Privet, Two-spotted Spider), Obscure Root Weevils, Omnivorous Leafhoppers, Scale Crawlers, (Cottony-cushion, Eucynipid, Lecanium, Pine Needle, Pin Scale, San Jose, Soft)	2 Tablespoons		Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.
	Webworms (Juniper, Mimosa), Whiteflies	2 Tablespoons		Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.
Apple and Thorn Spawntizers, Hemlock Chermes, Oak Looper, Obliquebanded Leafrollers, Pear Sucker, Tort Caterpillars, Webworms (Cottony-cushion, Pear)		2 Tablespoons		Apply as a thorough foliar spray.

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Insect Control on Trees, Shrubs and Flowers, cont'd.

Crop & Flowers	Insects	Rate per 3 gals. of water	Timing/Special Directions
Asatras, Camellias, Chrysanthemums, Camellias, Gladiol, Lilies, Phlox, Rhododendron, Roses	Aphids, European Scale, Crawler, Flea, Scale, Dipsos, Leafhopper, Leafminer, Mosquito, Mites (Camellia Bark, Camellia Shear, Cystonema, European Red, Two-spotted Spider), Thrips, Whiteflies	2 Tablespoons	Apply as a thorough foliar spray. Try to spray underside of leaves and penetrate dense foliage.

Fruits 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.

Pre-Harvest Intervals (PHI*) for Foliar Applications	
Crop	PHI* (Days)
Almonds	45
Apricots	10
Blackberries	7
Boysenberries	7
Cherries	10
Dewberries	7
Grapes	18
Loganberries	7
Nectarines	10
Peaches	20
Plums	10
Prunes	10
Raspberries	7
Strawberries	8
Walnuts	45

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

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)	Aphids, San Jose Scale, Pearleaf Scale, Spider Mites, Twig Borers	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 800 sq. ft. of orchard. Do not make more than 3 applications per season 14 days apart. Do not apply after huts open or split. Do not apply within 45 days of harvest. This product may be used on almonds only in California.
Apricots	Aphids, Apricot Mosquito, Mites (Clover Brown), Two-spotted Spider, Scale Crawler (Olive, San Jose)	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 800 sq. ft. of orchard. Do not make more than 5 applications per season a minimum of 14 days apart. Do not apply within 10 days of harvest.
Caneberries (WA, OR, CA only), Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries	Aphids, Leafhoppers, Raspberry Fruitworm, Two-spotted Mites, Thrips	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 5 gallons per 800 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 California, Oregon and Washington. Do not use this product on caneberries grown in other states.

Plum, Cherry, Prunella (Blackberry), Prunella, Mites (Cherry Rust, Scale Crawler (San Jose))			per 800 sq. ft. of orchard. Do not make more than 5 applications per season a minimum of 7 days apart. Do not apply within 10 days of harvest.
Grapes	Aphids, Leafhoppers, Grape Berry Mite, Grape Leafminer	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 800 sq. ft. of vineyard. Do not make more than 5 applications per season a minimum of 7 days apart. Do not apply within 10 days of harvest.
Nectarines	Aphids, Mites (Clover Brown), Two-spotted Spider, Scale Crawler (Olive, San Jose)	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 800 sq. ft. of orchard. Do not make more than 5 applications per season a minimum of 14 days apart. Do not apply within 10 days of harvest.
Peaches	Aphids, Mites (Clover Brown), Two-spotted Spider, Scale Crawler (Olive, San Jose)	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 800 sq. ft. of orchard. Do not make more than 5 applications per season a minimum of 14 days apart. Do not apply within 20 days of harvest.
Plums and Prunes	Aphids (Leafy Plum, Mosky Plum, Thistle), Mites (Clover Brown), European Red	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 800 sq. ft. of orchard. Do not make more than 5 applications per season a minimum of 7 days apart. Do not apply within 10 days of harvest.
Strawberries	Aphids, Two-spotted Mites, Strawberry Leafroller	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 3 gallons per 800 sq. ft. of orchard. Do not make more than 3 applications per season a minimum of 7 days apart. Do not apply within 5 days of harvest.
Walnuts (CA only)	Aphids, Scale Crawler (Walnut, Italian Pear, Treble), Spider Mites, Twig Borers	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 800 sq. ft. of orchard. Do not make more than 3 applications per season 14 days apart. Do not apply after huts open or split. Do not apply within 45 days of harvest. This product may be used on walnuts only in California. Do not use this product on walnuts grown in other states.

Vegetable Crops

For foliar or soil applications, 25% DIAZINON GARDEN INSECT SPRAY 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 of the crop, as well as intervals between applications and maximum numbers of applications per season.

Pre-Harvest Intervals (PHI*) for Foliar Applications	
Crop	PHI* (Days)
Beans, Lima, Pole & Snap	7
Beets, Red (Table)	14
Broccoli	7
Cabbage	7
Cantaloupes	3
Carrots	10
Casabas	3
Cauliflower	8
Celery	10
Chinese Broccoli	10
Chinese Cabbage	10
Collards	10
Cornshaws	3
Cucumbers	7
Endive (Escarole)	10

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Pre-Harvest Intervals (PHI*) for Foliage Applications (cont'd.)	
Crop	PHI* (Days)
Honeydew Melons	8
Nile	10
Lettuce	10
Muskmelons	3
Onions, Bulb & Green	10
Paranips	10
Peas*	0
Peppers	8
Potatoes (Irish)	35
Radishes	10
Spinach	7
Squash, summer	7
Squash, winter	3
Sweet Corn	0
Tomatoes	1
Turkey	10
Watermelons	3

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

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

* Do not use this product on commercially-grown potatoes which will be hand-harvested.

Vegetable Crops

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 (susceptible varieties only)	Aphids, Cucumber beetles, Grasshoppers, Leafhoppers, Mexican B. or Spotted Cutworm	2 Tablespoons 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.
	Cutworms (surface, subterranean)	6 Tablespoons 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 Tablespoons 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 Tablespoons 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.

Note: To protect bees, do not apply when foliage treatments of the beans or woods in the treatment area are in bloom.

Beets, Red (Table)	Cutworms (surface, subterranean)	6 Tablespoons 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 Tablespoons 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.

	Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Do not apply within 7 days of harvest.
Cabbage	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 Tablespoons 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.
	Cutworms (surface, subterranean)	6 Tablespoons 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 Tablespoons 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 3-4 inches.
	Wireworms	6 Tablespoons 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 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat applications every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
	Cutworms (surface, subterranean)	6 Tablespoons 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 Tablespoons 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 Tablespoons 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.
Cauliflower	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 Tablespoons 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.
Celery	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 Tablespoons 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.
Chinese Broccoli	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 Tablespoons 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.
Chinese Cabbage (Bok Choy and Napa)	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 Tablespoons 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.
Collards	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 Tablespoons 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.

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25% DIAZINON GARDEN INSECT SPRAY

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Crop	Pest	Rate	Timing/Special Directions
Corn (see sweet corn)			
Cucumbers	Aphids, Thrips, Spider Mites	2 Tablespoons 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, Leafhoppers, Dipsosaurus, Leafminers, Spider Mites	2 Tablespoons 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.
Lettuce	Aphids, Flea Beetles, Leafhoppers, Dipsosaurus, Leafminers, Spider Mites	2 Tablespoons 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.
	Cutworms (surface, subterranean)	6 Tablespoons 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 Tablespoons 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.
Malons (Caulislopes, Cabbins, Cronshans, Honydows, Muskmelons, Potatoes and Hybrids of these) and Watermelons	Aphids, Thrips, Spider Mites	2 Tablespoons 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.
Onions, Green & Bulb	Onion Thrips	2 Tablespoons 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 10 days of harvest.
Parsnips	Aphids, Flea Beetles, Leafhoppers, Dipsosaurus, Leafminers, Spider Mites	2 Tablespoons 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.
Peas (succulent only)	Aphids, Cucumber Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Spider Mites	2 Tablespoons 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. Peas may be picked immediately after application.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to soil 1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to soil just before planting. Immediately work into soil 4-6 inches.

Notes: 1) Do not apply this product to dried pea varieties such as split peas. 2) To protect bees, do not apply to pea foliage during the pollen shed period.

Crop	Pest	Rate	Timing/Special Directions
Peppers	Aphids, Colorado Potato Beetles, Flea Beetles, Leafhoppers	2 Tablespoons 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, Dipsosaurus, Leafminers	2 Tablespoons 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 30 days of harvest. Note: Do not use on commercially-grown potatoes which will be hand-harvested.
Radishes	Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworms, Dipsosaurus, Leafminers	2 Tablespoons 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.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to 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, Dipsosaurus, Leafminers, Spider Mites	2 Tablespoons 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.
Squash, Summer	Aphids, Thrips, Spider Mites	2 Tablespoons 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.
Squash, Winter	Aphids, Thrips, Spider Mites	2 Tablespoons 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, Flea Beetles, Grasshoppers, Spider Mites	2 Tablespoons 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 immediately following last application.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 Tablespoons 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 Tablespoons 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.

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

Tomatoes	Aphids, Colorado Potato Beetles, Flea Beetles, Fall Armyworms, Flea Beetles, Leafhoppers, Southern Armyworms, Vinegar Flies (Drosophila spp.)	2 Tablespoons 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.
	Cutworms (surface, subterranean)	6 Tablespoons 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 Tablespoons 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.

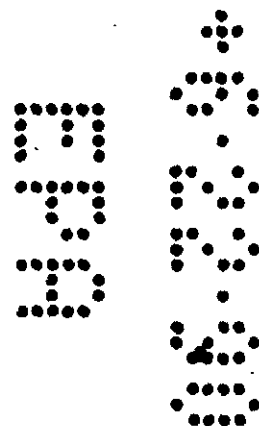
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Crop	Pest	Rate	Timing/Remarks
Tomato and Lettuce Type	Applis. Flea Beetles, Leafhoppers, Insects, Caterpillars, Diptera, Lacewings	2 tablespoons in 2 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
	Cutworms (surface, subterranean)	2 tablespoons per 100 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to soil just before planting. Immediately work into soil 2-4 inches for surface cutworms, 3-6 inches for subterranean cutworms.

NOTICE

Platte warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of the 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 Platte. In no case shall Platte be liable for consequential, special or indirect damages resulting from the use of this product. All such risks shall be assumed by the buyer. Platte makes no warranties of Merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

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FORMULATED FOR
PLATTE CHEMICAL CO.
100 SO. MAIN STREET FREMONT, NEBRASKA 68005

Mr. Michael Jackson
Platte Chemical Company
P.O. Box 667
Greeley, CO 80632

AUG 14 1990

Subject: Amendment: Revise per Diazinon Registration Standard &
and the Agency's May 1, 1990 Data Call-In letter
to reflect only those uses supported by Ciba-Geigy
25% Diazinon Garden Insect Spray
FPA Reg. No. 34704-531
Your submission dated June 20, 1990

Dear Mr. Jackson:

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

- 1) In the second sentence of the "Environmental Hazards" text, add a comma after "waterfowl", so that it reads: "Birds, especially waterfowl, feeding or drinking on treated areas may be killed."
- 2) A PHI of 5 days should appear for the crop "broccoli" at the bottom of page 3 (it may be correct, but the submitted label copies had a cooler ink blot over this number).
- 3) In the "Pest" column for the crop "Beans", revise "Mites" to "Spider Mites".

A stamped copy of the label is enclosed for your records. Please submit five (5) copies of the revised amended label prior to release for shipment under the amended label. NOTE: When preparing your label, do not print the quotation marks that appear around revised text items specified in this letter.

Please refer to the Diazinon Registration Standard, as amended, for release for shipment and channels of trade dates for diazinon products bearing appropriately amended labels.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

ACCEPTED
with COMMENTS
in EPA Letter Dated:

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

AUG 14 1990
CLEAN
Insecticide
Fungicide and Repellent
America's Top Pesticide
EPA Reg. No.

3474-531

25% DIAZINON GARDEN INSECT SPRAY

Protects Lawns, Vegetables, Fruits & Nuts,
Roses, Flowers, Trees, Shrubs.

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

†Aids in control.

ACTIVE INGREDIENTS:

Diazinon [0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl)
phosphorothioate] 25.0%

INERT INGREDIENTS: * 75.0%

TOTAL 100.0%

*Contains xylene range aromatic solvent
Spray concentrate. Contains diazinon insecticide.

KEEP OUT OF REACH OF CHILDREN WARNING

See Below For Additional Precautionary Statements

EPA REG. NO. 34704-531

EPA EST. NO. _____

NET CONTENTS 1 QUART (946 ml)

26705

EXPOS90

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed or absorbed through skin. Avoid breathing spray mist. Causes substantial but temporary eye damage. Do not get into eyes, on skin or clothing. Wear goggles or safety glasses. Avoid contact with eyes and skin. Wash thoroughly if on skin and after handling. Do not use in the home. Avoid contamination of feed and food-stuffs. Do not use on household pets or humans. Do not permit children or pets to go onto treated area, such as grass or soil until the spray has dried. Do not contaminate ornamental fish ponds. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.

STATEMENT OF PRACTICAL TREATMENT

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

If inhaled: Remove victim to fresh air and apply artificial respiration if indicated.

If on skin: Wash promptly with soap and water. Rinse thoroughly.

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 a xylene range aromatic solvent 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 migration 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. 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 a minimum of 1/4 inch of water immediately after applying this product. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). 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. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

PHYSICAL OR CHEMICAL HAZARDS

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

DIRECTIONS FOR USE

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

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.

GENERAL INFORMATION

25% DIAZINON GARDEN INSECT SPRAY is an emulsifiable concentrate product which must be diluted with water before application. Refer to the section "How to Mix and Apply." This product kills many outdoor insects which damage lawns, roses, flowers, trees, shrubs, vegetables, fruits and nuts, and insects which annoy pets and people. Contains diazinon insecticide which provides positive control of many "hard-to-kill" sucking and chewing insects. 25% DIAZINON GARDEN INSECT SPRAY 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 house. (3) Do not use on ferns, poinsettia, hibiscus, papaya, pine, gardenia or orchids since injury may occur. (4) Do not use on commercially-grown potatoes which will be (un)harvested. (5) Use this product on succulent peas and beans only. Do not use on dried peas or bean varieties.

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

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25% DIAZINON GARDEN INSECT SPRAY

EPA REG. NO. 34704-531

25% DIAZINON GARDEN INSECT SPRAY and water as suggested in the rate chart.

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

See chart for complete insect list. Use rates shown unless otherwise indicated.

1 tablespoon = 3 teaspoons
1 fl. oz. = 6 teaspoons or 2 tablespoons
6 fl. oz. = 1/2 cup
2 tablespoons in 3 gals. of water = 2 teaspoons in 1 gal. of water or 6 oz. in 18 gals. of water

LAWN PEST CONTROL

Use on Bent, Bermuda, Bluegrass, Dichondra, Fescue, Marion and St. Augustine grass.

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. Avoid overlapping of sprays when irrigation is recommended in the directions or if waterfowl, i.e., ducks, geese can be expected in the treated area after treatment (except spot treatments), water lawn with at least 1/4 inch water immediately after spraying this product. However, stop watering before puddling occurs.

Pests	Rate		Remarks
	25% DIAZINON GARDEN INSECT SPRAY	Water	
Lawn Chinch Bugs	1 1/2 Tablespoons per 125 sq. ft. or 6 fl. ozs. 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. ozs. in 24 gals. of water per 1,000 sq. ft.
Ants, Armyworms, Bermuda Grass Mites, Clover Mites, Springtails (Collembola), Crickets, Cutworms, Digger Wasps, Earwigs, Fire Flies, Lawn Billbugs, Leafhoppers, Sod Webworms (Lawn Moths), Sawbugs (Pillbugs)	1 1/2 Tablespoons per 125 sq. ft. or 6 fl. ozs. 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. For fire flies, mow grass and water well before treatment, but delay application until grass is dry. Billbug control: Apply when activity is first observed or when chewed or brown grass is present indicating damage from the insect.
Brown Dog Ticks, Chiggers, Fleas	1 1/2 Tablespoons per 125 sq. ft. or 6 fl. ozs. per 1,000 sq. ft.	3 gals. 24 gals.	Note: Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near houses.
Millipedes	1 1/2 Tablespoons per 125 sq. ft. or 6 fl. ozs. 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. ozs. per 1,000 sq. ft.	3 gals. 24 gals.	Apply when crawlers first emerge.

Pests	Rate		Remarks
	25% DIAZINON GARDEN INSECT SPRAY	Water	
White Grubs of Japanese Beetles, European Chalcids, Southern Chalcids	1 1/2 Tablespoons per 125 sq. ft. or 6 fl. ozs. per 1,000 sq. ft.	3 gals. 24 gals.	Water grass thoroughly after application. Grub control: Apply any time between late July and early October.
Hyperodes Weevil	1 1/2 Tablespoons per 125 sq. ft. or 6 fl. ozs. per 1,000 sq. ft.	3 gals. 24 gals.	Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

Nuisance Pests in Outside Areas

Ants, Boulder Bugs, Brown Dog Ticks, Chiggers, Clover mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs (pillbugs), Spiders, Springtails (Collembola)

Mix 6 fl. ozs. in 3 gals. of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls and ceilings, 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 plants other than tree trunks at this nuisance pest rate.

Fire Ants

To aid in the control of fire ants in lawns and other recreational 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 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 OF TREES, SHRUBS AND FLOWERS

Tree & Shrub	Insects	Rate per 3 gals. of water		Timing/Special Directions
		2 Tablespoons		
Arbutus, Azalea, Birch, Boxwood, Camellia, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow	Aphids, Bagworms, European Pine Shoot Moths, Holly Bud Moths, Dopterous Leafminers (Arbutus, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European Red, Privet, Two-spotted Spider), Obscure Root Weevils, Omnivorous Leafhoppers, Scale Crawlers, (Cottony-cushion), Eyonyms, Lacanium, Pine Needles, Pin Scale, San Jose, Soft	2 Tablespoons		Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to penetrate dense foliage with spray.
	Webworms (Juniper, Mimosa), Whiteflies	2 Tablespoons		Apply as a thorough foliar spray. Mimosa Webworms: Apply as a thorough foliar spray after adults first appear. Make two additional applications at 4-6 week intervals.
	Apple and Thorn Spawntizers, Hemlock Chermes, Oak Looper, Obliquebanded Leafrollers, Pear Shaga, Tent Caterpillars, Webworms (Cottonwood, Fall)	2 Tablespoons		Apply as a thorough foliar spray.

25% DIAZINON GARDEN INSECT SPRAY

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Insect Control on Trees, Shrubs and Flowers, cont'd.

Recess & Flowers	Insects	Rate per 3 gals. of water	Timing/Special Directions
Azaleas, Camellias, Chrysanthemums, Carnations, Gladia, Lilac, Rhododendron, Roses	Aphids, Eucynymus Scale Crawlers, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Two-spotted Spider), Thrips, Whiteflies	2 Tablespoons	Apply as a thorough foliar spray. Try to spray underside of leaves and penetrate dense foliage.

Fruits 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.

Pre-Harvest Intervals (PHI*) for Foliar Applications

Crop	PHI* (Days)
Almonds	45
Apricots	10
Blackberries	7
Boysenberries	7
Cherries	10
Dewberries	7
Grapes	18
Loganberries	7
Nectarines	10
Peaches	20
Plums	10
Prunes	10
Raspberries	7
Strawberries	5
Walnuts	45

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

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)	Aphids, San Jose Scale, Pearlscale, Spider Mites, Twig Borers	2 Tablespoons 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 applications per season 14 days apart. Do not apply after husks open or split. Do not apply within 45 days of harvest. This product may be used on almonds only in California.
Apricots	Aphids, Apricot Mealybugs, Mites (Clover [brown], Two-spotted Spider), Scale Crawlers (Olive, San Jose)	2 Tablespoons 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 5 applications per season a minimum of 14 days apart. Do not apply within 10 days of harvest.
Caneberries, (WA, OR, CA only), Blackberries, Boysenberries, Dewberries, Loganberries, Raspberries	Aphids, Leafhoppers, Raspberry Fruitworms, Two-spotted Mites, Thrips	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons 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 California, Oregon and Washington. Do not use this product on caneberries grown in other states.

Crop	Pest	Rate	Timing/Special Directions
Cherries	Black Cherry, Aphids, Cherry Fruitflies, Cherry Fruitworms (Meagor), Fruitree Leafrollers, Mites (Cherry Rust), Scale Crawlers (San Jose)	2 Tablespoons 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 5 applications per season a minimum of 7 days apart. Do not apply within 10 days of harvest.
Grapes	Aphid, Leafhoppers, Grape Berry Moths, Grape Leafrollers	2 Tablespoons in 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. Do not apply within 18 days of harvest.
Nectarines	Aphids, Mites (Clover [brown], Two-spotted Spider), Scale Crawlers (Olive, San Jose)	2 Tablespoons 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 5 applications per season a minimum of 14 days apart. Do not apply within 10 days of harvest.
Peaches	Aphids, Mites (Clover [brown], Two-spotted Spider), Scale Crawlers (Olive, San Jose)	2 Tablespoons 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 5 applications per season a minimum of 14 days apart. Do not apply within 20 days of harvest.
Plums and Prunes	Aphids (Leafcurl Plum, Mealy Plum, Thistle), Mites (Clover [brown], European Red)	2 Tablespoons 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 5 applications per season a minimum of 7 days apart. Do not apply within 10 days of harvest.
Strawberries	Aphids, Two-spotted Mites, Strawberry Leafrollers	2 Tablespoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 3 gallons 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 5 days of harvest.
Walnuts (CA only)	Aphids, Scale Crawlers (Walnut, Italian Pear, Ironed), Spider Mites, Twig Borers	2 Tablespoons 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 applications per season 14 days apart. Do not apply after husks open or split. Do not apply within 45 days of harvest. This product may be used on walnuts only in California. Do not use this product on walnuts grown in other states.

Vegetable Crops

For foliar or soil applications, 25% DIAZINON GARDEN INSECT SPRAY 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.

Pre-Harvest Intervals (PHI*) for Foliar Applications

Crop	PHI* (Days)
Beans, Lima, Pole & Snap	7
Beets, Red (Table)	14
Broccoli	5
Cabbage	7
Cantaloupes	3
Carrots	13
Casabas	3
Cauliflower	5
Celery	10
Chinese Broccoli	10
Chinese Cabbage	10
Collards	10
Crenshaw	3
Cucumbers	7
Endive (Escarole)	10

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25% DIAZINON
GARDEN INSECT SPRAY
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Pre-Harvest Intervals (PHI*) for Foliar Applications (cont'd.)	
Crop	PHI* (Days)
Honeydew Melons	3
Kale	10
Lettuce	10
Muskmelons	3
Onions, Bulb & Green	10
Parsnips	10
Peas ¹	0
Peppers	5
Potatoes (Irish) ²	35
Radishes	10
Spinach	7
Squash, summer	7
Squash, winter	3
Sweet Corn	0
Tomatoes	1
Turnips	10
Watermelons	3

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

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

² Do not use this product on commercially-grown potatoes which will be hand-harvested.

Vegetable Crops

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, Mites	2 Tablespoons 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, subterranean)	6 Tablespoons 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 Tablespoons 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 Tablespoons 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.

Note: 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 Tablespoons 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 Tablespoons 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.

Crop	Pest	Rate	Timing/Special Directions
Broadbean	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 Tablespoons 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.
Cabbage	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 Tablespoons 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.
	Cutworms (surface, subterranean)	6 Tablespoons 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 Tablespoons 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 3-4 inches.
	Wireworms	6 Tablespoons 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 Tablespoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat applications every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
	Cutworms (surface, subterranean)	6 Tablespoons 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 Tablespoons 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 Tablespoons 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.
Cauliflower	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 Tablespoons 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.
Celery	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 Tablespoons 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.
Chinese Broccoli	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 Tablespoons 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.
Chinese Cabbage (Bok Choy and Napa)	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 Tablespoons 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.
Collards	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 Tablespoons 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.

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Crop	Pest	Rate	Timing/Special Directions
Corn (see sweet corn)			
Cucumbers	Aphids, Thrips, Spider Mites	2 Tablespoons 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, Leafhoppers, Dipterous Leafminers, Spider Mites	2 Tablespoons 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.
Kale	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbageworms, Dipterous Leafminers	2 Tablespoons 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.
Lettuce	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 Tablespoons 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.
	Cutworms (surface, subterranean)	6 Tablespoons 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 Tablespoons 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 (Cantaloupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians and Hybrids of these) and Watermelons	Aphids, Thrips, Spider Mites	2 Tablespoons 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.
Onions, Green & Bulb	Onion Thrips	2 Tablespoons 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 10 days of harvest.
Parsnips	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 Tablespoons 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.
Peas (succulent only)	Aphids, Cutworm Beetles, Grasshoppers, Leafhoppers, Mexican Bean Beetles, Spider Mites	2 Tablespoons 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. Peas may be picked immediately after application.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to soil 1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to soil just before planting. Immediately work into soil 4-8 inches.

Notes: 1) Do not apply this product to dried pea varieties such as snap peas. 2) To protect bees, do not apply to pea foliage during the pollen shed period.

Crop	Pest	Rate	Timing/Special Directions
Peppers	Aphids, Colorado Potato Beetles, Flea Beetles, Leafhoppers	2 Tablespoons 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 Tablespoons 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: Do not use on commercially-grown potatoes which will be hand-harvested.
Radishes	Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworm, Dipterous Leafminers	2 Tablespoons 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.
Spinach	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Spider Mites	2 Tablespoons 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.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
Squash, Summer	Aphids, Thrips, Spider Mites	2 Tablespoons 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.
Squash, Winter	Aphids, Thrips, Spider Mites	2 Tablespoons 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, Flea Beetles, Grasshoppers, Spider Mites	2 Tablespoons 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 immediately following last application.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 Tablespoons 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 Tablespoons 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	Aphids, Colorado Potato Beetles, Fall Armyworms, Flea Beetles, Leafhoppers, Southern Armyworms, Vinegar Flies (Drosophila spp.)	2 Tablespoons 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.
	Cutworms (surface, subterranean)	6 Tablespoons 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 Tablespoons 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.

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Crop	Pest	Rate	Timing/Special Directions
Turnips and Turnip Tops	Aphids, Flea Beetles, Leafhoppers, Imported Cabbageworm, Dipterous Leafminers	2 Tablespoons 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.
	Cutworms (surface, subterranean)	6 Tablespoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

NOTICE

Platte warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of the 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 Platte. In no case shall Platte be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. Platte makes no warranties of Merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

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PLATTE CHEMICAL CO.

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