



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

Ms. Carolyn Bussey  
Ciba-Geigy Corporation  
P.O. Box 18300  
Greensboro, NC 27419-8300

DEC - 3 1990

Dear Ms. Bussey:

Subject: Labeling submitted in response to  
Agency letter dated October 26, 1990  
D.z.n Lawn & Garden Insect Control  
EPA Reg. No. 100-456  
Your submission dated November 14, 1990

The labeling referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable and a stamped copy of the label is enclosed for your records. The following revisions should be made to the booklet when preparing the actual finished labeling:

- 1) As noted in the Agency's letter dated October 26, 1990, in the Lawn Pest Control table, for the pest grouping "Brown Dog Ticks, Chiggers, Fleas", make sure that the "24 gals." in the "Water" column lines up with "6 fl. ozs." (rather than "or") in the "D.z.n" column.
- 2) On page 9, revise the heading "Insect Control on Trees, Shrubs, and Flowers" to "Insect Control on Ornamental Trees, Shrubs, and Flowers".
- 3) On page 10, revise the heading "Insect Control on Trees, Shrubs, and Flowers" to "Insect Control on Ornamental Trees, Shrubs, and Flowers (Continued)". Obviously, if the finished label does not require a break here, then repeating the heading and the list of trees and shrubs would be unnecessary and the table would just extend longer under the initial heading and list of trees and shrubs (some of your customers are apparently confused by the repeating of the tree and shrub listing, however, because they repeat the heading and plant list even when their labels are formatted such that all of this table appears on one page).

- 4) For consistency with the revised order of bean types in the PHI table and to clarify that the limitation to succulent varieties pertains to all bean types (rather than just the last listed type of bean), revise the "crop" entry for beans to read: "Beans (succulent varieties only): Lima, Pole, and Snap".
- 5) For the crops "Cabbage", "Carrots", and "Peas", add "(Continued) or "(Cont'd)" when the crop directions carry over to another page. Obviously, this will be unnecessary if the format of the finished label permits all the directions for a given crop to appear on the same page.
- 6) In the "Crop" entry for "Melons", add a comma after "Persians" to clarify that "Hybrids of these" pertains to all melons.
- 7) For the crop "Parsnips" add a comma after "Leafminers", in the "Pest" column.
- 8) For the crop "Tomatoes", add a comma after "Flea Beetles", in the "Pest" column.

Sincerely yours,

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

3 9 42

Container Label

D·z·n®

Lawn & Garden  
Insect  
Control.

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

Spray concentrate. Contains  
diazinon insecticide.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

DEC - 3 1990

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide  
registered under EPA Reg. No.  
100-456

Protects

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

Controls

- Ants, Aphids
- Chinch Bugs
- Cutworms
- Fire Ants<sup>1</sup>
- Flea Beetles
- Grubs, Mites
- Sod Webworms
- and many others

<sup>1</sup>Aids in control.

See full label in booklet under cap  
for complete directions for mixing and  
applying this product and a complete  
list of pests controlled.

Active Ingredient:

Diazinon: O,O-Diethyl O-(2-isopropyl- 6-methyl-4-pyrimidinyl) phosphorothioate .....	25.0%
Inert Ingredients*:	75.0%
Total:	100.0%

\*Contains xylene range aromatic solvent.

KEEP OUT OF REACH OF CHILDREN.

WARNING

See side panel for additional  
precautionary statements.

One Pint or One Quart  
Net Contents

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

D·z·n Lawn & Garden Insect Control is an emulsifiable concentrate product which must be diluted with water before application. This product kills many outdoor pests which damage lawns, roses, flowers, trees, shrubs, vegetables and fruits and insects which annoy pets and people.

SEE THE BOOKLET UNDER CAP FOR COMPLETE DIRECTIONS FOR USE AND PESTS CONTROLLED.

Notes: (1) USE CONTENTS WITHIN 6 MONTHS AFTER OPENING. (2) Do not use in the home. (3) Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia or orchids since plant injury may occur. (4) Do not use on commercially-grown potatoes which will be hand-harvested. (5) Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties. (6) Do not apply to food crops grown in greenhouses.

After spraying wait the following number of days before harvesting fruits, nuts, or vegetables:

- Same day - Peas, Sweet Corn
- 1 day - Tomatoes
- 3 days - Melons, Winter Squash.
- 5 days - Broccoli, Cauliflower, Peppers, Strawberries
- 7 days - Beans, Blackberries, Boysenberries, Cabbage, Cucumbers, Dewberries, Loganberries, Summer Squash
- 10 days - Apricots, Carrots, Celery, Cherries, Chirise, Broccoli, Chinese Cabbage, Collards, Endive, (Escarole), Kale, Lettuce, Nectarines, Onions, Parsnips, Plums, Prunes, Radishes, Spinach, Turnips
- 14 days - Beets, Red (Table)
- 18 days - Grapes
- 20 days - Peaches
- 35 days - Potatoes (Irish)
- 45 days - Almonds, Walnuts

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.



Peppers, Tomatoes	Aphids, Colorado Potato Beetles, Fall Armyworms (Tomatoes), Flea Beetles, Leafhoppers, Southern Armyworms (Tomatoes), Vinegar Flies - <u>Drosophila</u> spp. (Tomatoes)
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Onions (Bulb and Green)	Onion Thrips
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Radishes, Turnips, Carrots, Parsnips, Potatoes	Aphids, Flea Beetles, Leafhoppers, Dipterous Leafminers, Colorado Potato Beetles (Potatoes), Southern Armyworms (Potatoes)
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Sweet Corn	Aphids, Flea Beetles, Grasshoppers, Spider Mites
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Melons, Squash (Summer, Winter)	Aphids, Thrips, Spider Mites
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Vegetables: Preplant Soil Application

Beans, Peas (except dried varieties)	Cutworms, Mole Crickets, Wireworms (snap beans)
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Beets, Red (Table)	Mole Crickets
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Cabbage	Cutworms, Root Maggots, Wireworms
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Carrots, Sweet Corn	Cutworms, Mole Crickets, Wireworms
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Lettuce, Tomatoes	Cutworms, Wireworms
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Radishes, Turnips	Cutworms
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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 in 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 foodstuffs. Do not use on household pets or humans. Do not allow children or pets to go onto a treated area until the treated area such as grass or soil has dried. Do not contaminate ornamental fish ponds. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.

Statement of Practical Treatment

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



Roses & Flowers:

Azalea, Camellia,  
Chrysanthemum,  
Carnation,  
Gladioli, Lilac,  
Rhododendron,  
Roses

Aphids, Flea Beetles, Dipterous Leafminers,  
Leafhoppers, Mealybugs, Two-spotted Spider  
Mites, Thrips, Whiteflies and others\*

Trees & Shrubs

Arborvitae,  
Azalea, Birch,  
Boxwood, Camelia,  
Douglas Fir, Elm,  
Hawthorn Holly,  
Juniper, Lilac,  
Locust, Maple,  
Mimosa, Oak, Pine,  
Ornamental Plum,  
Poplar,  
Rhododendron,  
Spruce, Willow

Aphids, Mites, Scale Crawlers, Whiteflies,  
Tent Caterpillars and others\*

Storage and Disposal

Storage:

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

Disposal:

Do not reuse empty container. Thoroughly rinse container, securely wrap 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.

habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. For lawns, where irrigation (watering) is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), apply at least 1/4 inch of water immediately after spraying this product, however, stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water 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.

Physical or Chemical Hazards

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

D·z·n® trademark of CIBA-GEIGY for diazinon

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Agricultural Division  
 CIBA-GEIGY Corporation  
 Greensboro, North Carolina 27419

CGA A1L3 R16S 110 (1 quart)  
 CGA A1L1 R18U 110 (1 pint)  
 Label goes with booklet CGA A1L9J 010

EPA Reg. No. 100-456

EPA Est.

September 15, 1982  
 Revised October 4, 1983  
 (Great Value Campaign)  
 Revised Feb. 22, 1984

(PR-Notice 83-3)  
Storage & Disposal,  
Changed copyright date,  
removed Great Value  
Statement)

Revised April 4, 1988  
Do not use on golf courses  
and sod farms. -

Accepted

Revised Nov. 11, 1988  
Deleted unsupported  
crops under 5/1/87 EPA  
Data Call-In - Reduced lawn  
rates to 4 lbs. a.i. max.

Revised March 9, 1989 -  
Deleted xylene from a.i.,  
moved to inerts, revised  
Hazards to Humans, Note to  
Physician, storage and  
disposal, revised dfu's to  
reflect rates and app.  
intervals in data call-in  
repeat residue chem. tests.

Revised August 10, 1989  
Deleted rates, referred  
user to booklet label.

Revised November 30, 1989  
Add Reg. Standard Changes,  
some reformatting.

Revised December 6, 1989  
Reformatting for Reg.

Standard Changes

Revised April 12, 1990 per  
EPA letter of 1/26/90

Revised Oct. 10, 1990 per  
EPA letter of 9/14/90.

Revised 11/12/90 per EPA  
letter of 10/26/90.

[GANNONC.LABELD]  
DZNLGICPT - 11/13/90

BOOKLET

(For use with 1 pt., and 1 qt. containers)

D·z·n® Lawn and Garden Insect Control

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

Spray concentrate. Contains diazinon insecticide.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

DEC - 3 1990

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

100-456

Protects

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

Controls

- Ants, Aphids
- Chinch Bugs
- Cutworms
- Fire Ants<sup>1</sup>
- Flea Beetles
- Grubs, Mites
- Sod Webworms
- and many others

<sup>1</sup>Aids in control.

Active Ingredient:

Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate .....	25.0%
<u>Inert Ingredients*:</u>	<u>75.0%</u>
Total:	100.0%

\*Contains xylene range aromatic solvent.

KEEP OUT OF REACH OF CHILDREN.

WARNING

See end of booklet for additional precautionary statements.

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 unopened product container at once.

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Conditions of Sale and Warranty

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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 CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

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

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DIRECTIONS FOR USE

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

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

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General Information

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D·z·n Lawn and Garden Insect Control 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. D·z·n works fast and applications should be repeated only as directed to maintain control.

Notes: (1) USE CONTENTS WITHIN 6 MONTHS AFTER OPENING. SEE "STORAGE AND DISPOSAL" DIRECTIONS. (2) Do not use in the home. (3) Do not use on ferns, poinsettia, hibiscus, papaya, pilea, gardenia or orchids since injury may occur. (4) Do not use on commercially-grown potatoes which will be hand-harvested. (5) Use this product on succulent peas and beans only. Do not use on dried pea or bean varieties. (6) Do not apply to food crops grown in greenhouses.

Precautions: 1) Wear a long-sleeved shirt and long-legged pants when spraying. 2) Spray with the wind to your back. 3) Do not spray on windy days. 4) If clothing becomes wet from spray during use, remove clothing after spraying, wash affected body areas thoroughly with soap and water, and launder clothing before wearing again.

How to Mix and Apply:

Step #1: Determine size of spraying job. For lawns and vegetables, measure the area to be sprayed. For all other applications, apply as a thorough cover spray. Make applications when insects first appear. Applications should be repeated only as directed to maintain control.

Step #2: Use clean sprayer. Carefully measure and mix the amount of D·z·n 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.

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1 tablespoon = 3 teaspoons

1 fl. oz. = 6 teaspoons or 2 tablespoons

6 fl. oz. = 3/4 cup

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

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116 5 112

Lawn Pest Control

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

To control pests listed below, apply recommended rates.

Precautions: Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. Where irrigation (watering) is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product, however, stop watering before puddling occurs.

Pests	Rate		Remarks
	D·z·n	Water	
Lawn Chinch Bugs	1 1/2 table- spoons 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 tea- spoons in 3 gals. of water covers 125 sq. ft. or 4 fl. ozs. in 24 gals. of water per 1,000 sq. ft.



Pests	Rate		Remarks
	D·z·n	Water	
Ants, Armyworms, Bermudagrass Mites, Clover Mites, Spring-tails (Collembola), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Leafhoppers, Sod Webworms (Lawn Moths), Sowbugs (Pillbugs)	1 1/2 table- spoons 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. 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 well before treatment, but delay application until grass is dry.
Brown Dog Ticks, Chiggers, Fleas	1 1/2 table- spoons 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 house.

Pests	Rate		Remarks
	D·z·n	Water	
Hyperodes Weevil	1 1/2 table- spoons per 125 sq. ft. or 6 fl. ozs. per 1,000 sq. ft.	3 gals.  24 gals.	Treat problem areas in mid- April and again in mid-May. Water grass thor- oughly after application.
Millipedes	1 1/2 table- spoons 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 table- spoons per 125 sq. ft. or 6 fl. ozs. per 1,000 sq. ft.	3 gals.  24 gals.	Apply when crawl- ers first emerge.
White Grubs of Japanese Beetle, European Chafer, Southern Chafer	1 1/2 table- spoons per 125 sq. ft. or 6 fl. ozs. per 1,000 sq. ft.	3 gals.  24 gals.	Apply any time between late July and early October. Water grass thoroughly after applica- tion.

Nuisance Pests in Outside Areas

Ants, Boxelder 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, entranceways, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide. Do not treat animals. Do not treat plants (other than tree trunks) at this nuisance pest rate.

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.

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 on Trees, Shrubs and Flowers

Trees and Shrubs	Insects	Rate per 3 gals. of water	Timing/Special Directions
Arborvitae, Azalea, Birch, Boxwood, Camellia, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locusc, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow	Aphids, Bagworms, European Pine Shoot Moths, Holly Bud Moths, Dipterous Leaf- miners (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Leafhop- pers, Mealybugs, Mites (Clover, Cyclamen, Euro- pean Red, Privet, Two-spotted Spider), Obscure Root Weevils, Omnivorous Leaf-tiers, Scale Crawlers (Cottonycushion, Euonymus, Lecanium, Pine Needle, Pit, San Jose, Soft)	2 table- spoons	Apply as a thorough foliar spray. Wet leaves and branches to the dripping point. Try to pene- trate dense foliage with spray
Webworms (Juni- per, Mimosa), Whiteflies	2 table- spoons	Apply as a thorough foliar spray, Mimosa Webworms: Apply as a thorough foliar spray when adults first appear. Make two addi- tional applica- tions at 4-5 week intervals.	

Insect Control on Trees, Shrubs and Flowers

<u>Trees and Shrubs</u>	<u>Insects</u>	<u>Rate per 3 gals. of water</u>	<u>Timing/Special Directions</u>
Arborvitae, Azalea, Birch, Boxwood, Camellia, Douglas Fir, Elm, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Mimosa, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Spruce, Willow (Continued)	Apple and Thorn Skeletonizers, Hemlock Chermes, Oak Loopers, Obliquebanded Leafrollers, Pear Slugs, Tent Caterpillars, Webworms (Cotoneaster, Fall)	2 table- spoons	Apply as a thorough foliar spray.

<u>Roses and Flowers</u>	<u>Insects</u>	<u>Rate per 3 gals. of water</u>	<u>Timing/Special Directions</u>
Azaleas, Camellias, Chrysanthemums, Carnations, Gladioli, Lilac, Rhododendron, Roses	Aphids, Euonymus Scale Crawlers, Flea Beetles, Dipterous Leafminers, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Two-spotted Spider), Thrips, Whiteflies	2 table- spoons	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.

Crop	PHI*
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, Parlatoria Scale, Spider Mites, Twig Borers	2 table- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 3 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 table- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 5 applications per season a minimum of 14 days apart. Do not apply within 10 days of harvest.
Caneberries (CA, OR, WA only): Blackberries, Boysenber- ries, Dewberries, Loganberries, Raspberries	Aphids, Leaf-hoppers, Raspberry Fruitworms, Two-spotted Spider Mites, Thrips	2 table- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 5 gallons per 500 sq. ft. of field. Do not make more than 5 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.

Crop	Pest	Rate	Timing/Special Directions
Cherries	Black Cherry Aphids, Cherry Fruitflies, Cherry Fruitworms (Maggots), Fruittree Leaf-rollers, Mites (Cherry Rust), Scale Crawlers (San Jose)	2 table- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 5 applications per season a minimum of 7 days apart. Do not apply within 10 days of harvest
Grapes	Aphids, Leaf-hoppers, Grape Berry Moths, Grape Leaf-Folders	2 table- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 3 gallons per 500 sq. ft. of vineyard. Do not make more than 5 applications per season a minimum of 7 days apart. Do not apply within 13 days of harvest.
Nectarines	Aphids, Mites (Clover [brown], Two-spotted Spider), Scale Crawlers (Olive, San Jose)	2 table- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 5 applications per season a minimum of 14 days apart. Do not apply within 10 days of harvest



Crop	Pest	Rate	Timing/Special Directions
Peaches	Aphids, Mites (Clover [brown], Two-spotted Spider), Scale Crawlers (Olive, San Jose)	2 table- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 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 table- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 5 applications per season a minimum of 7 days apart. Do not apply within 10 days of harvest.
Strawberries	Aphids, Two-spotted Spider Mites, Strawberry Leafrollers	2 table- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 3 gallons per 500 sq. ft. of field. Do not make more than 3 applica- tions per season a mini- mum of 7 days apart. Do not apply within 5 days of harvest.

Crop	Pest	Rate	Timing/Special Directions
Walnuts (CA only)	Aphids, Scale Crawlers (Walnut, Italian Pear, Frosted), Spider Mites, Twig Borers	2 table- spoons in 3 gals. of water	Apply as a full cover spray. Do not apply more than 6 gallons per 500 sq. ft. of orchard. Do not make more than 3 ap- plications per season 14 days apart. Do not apply after husks open or split. Do not apply within 45 days of har- vest.  This product may be used on walnuts only in Cali- fornia. Do not use this product on walnuts grown in other states.

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Vegetables

For foliar or soil applications, D·z·n Lawn and Garden Insect Control 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.

Pre-Harvest Intervals (PHI\*)  
for Foliar Applications

Crop	PHI* (Days)
Beans <sup>1</sup> , (Lima, Pole & Snap)	7
Beets, Red (Table)	14
Broccoli	5
Cabbage	7
Cantaloupes	3
Carrots	10
Casabas	3
Cauliflower	5
Celery	10
Chinese Broccoli	10
Chinese Cabbage	10
Collards	10
Crenshaws	3
Cucumbers	7
Endive (Escarole)	10
Honeydew Melons	3
Kale	10
Lettuce	10
Muskmelons	3
Onions (Bulb and Green)	10
Parsnips	10
Peas <sup>1</sup>	0
Peppers	5
Potatoes (Irish) <sup>2</sup>	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.

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

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

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, Snap and Pole (succulent varieties only)	Aphids, Cucumber beetles, Grass-hoppers, Leaf-hoppers, Mexican Bean Beetles, Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applications per season. Do not apply within 7 days of harvest.
	Cutworms (surface, subterranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.
	Wireworms (snap beans only)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.

Note: To protect bees, do not apply bean foliage treatments if the beans or weeds in the treatment area are in bloom.

Crop	Pest	Rate	Timing/Special Directions
Beets, Red (Table)	Cutworms (surface, subter- ranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immedi- ately work into soil 2-3 inches for surface cut- worms, 3-6 inches for sub- terranean cutworms.
	Mole Crickets	2 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.
Broccoli	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 5 days of harvest.
Cabbage	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 table- spoons in 3 als. 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, subter- ranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immedi- ately work into soil 2-3 inches for surface cut- worms, 3-6 inches for sub- terranean cutworms.

Crop	Pest	Rate	Timing/Special Directions
Cabbage	Root Maggots	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches.
	Wireworms	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 4-8 inches.
Carrots	Aphids, Flea Beetles, Leaf- hoppers, Dipterous Leafminers, Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
	Cutworms (surface, subter- ranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.

Crop	Pest	Rate	Timing/Special Directions
Carrots	Wireworms	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immedi- ately work into soil 4-8 inches.
Cauliflower	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 5 days of harvest.
Celery	Aphids, Flea Beetles, Leaf- hoppers, Dipterous Leafminers, Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
Chinese Broccoli	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season 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 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.

Crop	Pest	Rate	Timing/Special Directions
Collards	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
Corn (see sweet corn)			
Cucumbers	Aphids, Thrips, Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 7 days of harvest.
Endive (Escarole)	Aphids, Flea Beetles, Leaf- hoppers, Dipterous Leafminers, Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
Kale	Aphids, Diamondback Moths, Flea Beetles, Imported Cabbage- worms, Dipterous Leafminers	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.



Crop	Pest	Rate	Timing/Special Directions
Lettuce	Aphids, Flea Beetles, Leaf- hoppers, Dipterous Leafminers, Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application, every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
	Cutworms (surface, subter- ranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immedi- ately work into soil 2-3 inches for surface cut- worms, 3-6 inches for sub- terranean cutworms.
	Wireworms	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immedi- ately work into soil 4-8 inches.
Melons (Canta- loupes, Casabas, Crenshaws, Honeydews, Muskmelons, Persians and Hybrids of these) and Water- melons	Aphids, Thrips, Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 3 days of harvest.

Crop	Pest	Rate	Timing/Special Directions
Onions (Bulb and Green)	Onion Thrips	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
Parsnips	Aphids, Flea Beetles, Leaf- hoppers, Dipterous Leafminers Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
Peas (succulent only)	Aphids, Cucumber Beetles, Grass- hoppers, Leaf- hoppers, Mexican Bean Beetles, Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 5 days up to 3 applications per season. Peas may be picked immediately after application.
	Cutworms (surface, subter- ranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immediately work into soil 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.
	Mole Crickets	2 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil 1-2 days before planting. Immediately work into soil 1-2 inches.

Crop	Pest	Rate	Timing/Special Directions
Peas (succulent only)	Wireworms	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immedi- ately work into soil 4-8 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 pol- len shed period.			
Peppers	Aphids, Colorado Potato Beetles, Flea Beetles, Leaf- hoppers	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 5 days of harvest.
Potatoes	Aphids, Flea Beetles, Leaf- hoppers, Colorado Potato Beetles, Southern Armyworms, Dipterous Leafminers	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 35 days of harvest.  NOTE: Do not use on commercially-grown pota- toes which will be hand- harvested.
Radishes	Aphids, Flea Beetles, Leaf- hoppers, Imported Cabbage- worms, Dipterous Leafminers	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.

Crop	Pest	Rate	Timing/Special Directions
Radishes (Cont'd)	Cutworms (surface, subter- ranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immedi- ately work into soil 2-3 inches for surface cut- worms, 3-6 inches for sub- terranean cutworms.
Spinach	Aphids, Flea Beetles, Leaf- hoppers, Dipterous Leafminers, Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 10 days of harvest.
Squash, Summer	Aphids, Thrips, Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 7 days of harvest.
Squash, Winter	Aphids, Thrips, Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 3 days of harvest.
Sweet Corn	Aphids, Thrips, Flea Beetles, Grass- hoppers, Spider Mites	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Corn may be picked immedi- ately following last application.

Crop	Pest	Rate	Timing/Special Directions
Sweet Corn (Cont'd)	Cutworms (surface, subter- ranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immedi- ately work into soil 2-3 inches for surface cut- worms, 3-6 inches for sub- terranean cutworms.
	Mole Crickets	2 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immedi- ately work into soil 2-3 inches.
	Wireworms	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immedi- ately 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 Army- worms, Flea Beetles Leaf- hoppers, Southern Armyworms, Vinegar Flies (Drosophila spp.)	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 applications per season. Do not apply within 1 day of harvest.

Crop	Pest	Rate	Timing/Special Directions
Tomatoes (Cont'd)	Cutworms (surface, subter- ranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immedi- ately work into soil 2-3 inches for surface cut- worms, 3-6 inches for sub- terranean cutworms.
	Wireworms	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immedi- ately work into soil 4-8 inches.
Turnips and Turnip Tops	Aphids, Flea Beetles, Leaf- hoppers, Imported Cabbage- worms, Dipterous Leafminers	2 table- spoons in 3 gals. of water to cover 1,000 sq. ft. of garden	Thoroughly spray all plant parts. Repeat application every 7 days up to 5 ap- plications per season. Do not apply within 10 days of harvest.
	Cutworms (surface, subter- ranean)	6 table- spoons per 500 sq. ft. in a minimum of 1 1/2 gals. of water	Broadcast to the soil just before planting. Immedi- ately work into soil 2-3 inches for surface cut- worms, 3-6 inches for sub- terranean 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 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 allow children or pets to go onto a treated area until the treated area such as grass or soil has dried. Do not contaminate ornamental fish ponds. Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.

Statement of Practical Treatment

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

Continued

2/2

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 migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York, between November 1 and May 20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. For lawns, where irrigation (watering) is recommended in the directions, or if waterfowl, i.e., ducks or geese, can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after spraying this product, however, stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water 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.

Physical or Chemical Hazards

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



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EPA Reg. No. 100-456

Agricultural Division  
CIBA-GEIGY Corporation  
Greensboro, North Carolina 27419

CGA A1L9J 110

(booklet goes with label CGA A1L1 R18U 110 1 pt. container and  
A1L3 R16S 110 1 qt. container)

- July 29, 1981
- Revised May 13, 1982
- Revised Feb. 22, 1984  
(FR Notice 83-3  
Storage and Dis-  
posal, Changed  
copyright date).
- Revised April 4, 1988  
This product  
must not be used  
on golf courses  
and sod farms.  
Accepted
- Revised September 13, 1988  
Changed chem.  
name, reduced  
turf rates and  
added avian pre-  
cautions,  
deleted unsup-  
ported crops  
under May 3,  
1987 EPA Data  
Call-In.
- Revised November 4, 1988  
Changed chem.  
back to orig.,  
all corn speci-  
fied as "sweet"  
corn per EPA.  
Reduced lawn  
rates to 4 lbs.  
ai max

6 1h

Revised March 9, 1989  
 Deleted xylene from ai, moved to inerts, revised Hazards to Humans..., Note to Physician, storage and disposal, revised dfu's to reflect rates and app. intervals in data call-in, repeat residue chemistry tests.

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Revised November 30, 1989  
 Corrected rates per EPA letter of 6/9/89 and added Reg. Standard Changes.

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Revised December 6, 1989  
 Corrected rates to concur with AG500 label.

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Revised January 9, 1990  
 Readded rates on per 125 sq. ft. basis for home lawns.

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Revised January 10, 1990  
 Corrected "North" chinch bug rate deleted boxelder bugs from lawn dfu's.

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Revised April 12, 1990  
 Per EPA letter of 1/26/90.

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Accepted May 14, 1990  
 CGA A1L9J050

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Revised Oct 10, 1990 per  
 EPA letter of 9/4/90 requested additional changes in FPL submitted 8/28/90

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Revised Nov. 12, 1990 per  
 EPA's letter of 10/26/90

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