PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

DO NOT USE IN HOME KEEP OUT OF REACH OF CHILDREN MAY BE FATAL IF SWALLOWED MAY BE ABSORBED THROUGH SKIN DO NOT BREATHE SPRAY MIST AVOID CONTACT WITH SKIN EYES AND CLOTHING WASH THOROUGHLY AFTER HANDLING AVOID CONTAMINATION OF FEED AND FOODSTUFFS DO NOT USE ON HOUSEHOLD PETS OR HUMANS DO NOT PERMIT CHILDREN OR PETS TO GO ONTO THE SPRAYED GRASS UNTIL THE SPRAY HAS COMPLETELY DRIED KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife Birds feeding on treated areas may be killed Keep out of any body of water Do not apply when weather conditions favor drift from treated areas Do not apply where runoff is likely to occur Do not contaminate water by cleaning of equipment or disposal of wastes

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area Do not apply when bees are actively visiting to crop cover crop or weeds blooming in the treatment area Applications should be timed to provide the maximum possible interval between treatment and the rest period of bee activity

PHYSICAL OR CHEMICAL HAZARDS

DO NOT USE 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

DISPOSAL Do not reuse empty containers Wrap container and put in trash collection

SA 50. Home and Garden

DIAZINON INSECTICIDE

25% Spray Concentrate

KILLS CERTAIN outdoor insects which destroy lawns roses flowers trees and shrubs or annoy pets and people Contains Diazinon Insecticide which provides positive control of many "hard to kill" sucking and chewing insects

ACTIVE INGREDIENTS

O,O diethyl O-(2-isopropyl 6 methyl 4 pyrimidinyl) phosphorothioate*	25 0%
Aromatic Petroleum Derivative Solvent	55 7%
INERT INGREDIENTS	19 3%
TOTAL	100 0%

*DIAZINON is a registered trademark of CIBA GEIGY CORPORATION

KEEP OUT OF REACH OF CHILDREN

WARNING:

STATEMENT OF PRATICAL TREATMENT

If swallowed — call a physician immediately Gastric lavage is indicated if material was taken internally DO NOT INDUCE vomiting unless other treatment is not 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 Repeat until vomit fluid is clear Do not induce vomiting or give anything by mouth to an unconscious person

If inhaled — Remove victim to fresh air Apply respiration if indicated

If on skin — Wash immediately with soap and water Rinse thoroughly

If in eyes — Flush eyes for at least 15 minutes with water Call a physician immediately

Note to Physician — Atropine sulfate is antidotal 2-PAM is also antidotal and may be administered in conjunction with atropine sulfate

SEE SIDE PANEL FOR ADDITIONAL WARNINGS

EPA EST 829 FL 1(3) 829 NC 1 4-829 NC 2 5/Number following Est No Corresponds to first digit in Lot No on side label

Packaged and Distributed by

Southern Agricultural Insecticides, Inc.

Palmetto Florida Hendersonville N C Boone, N C

EPA Reg

Net Contents Gallons

Number Three

Spray as directed in the rate chart Use coarse drenching sprays for lawns, soil and other surface applications Use medium to fine sprays for trees and plants Thorough coverage is important Flush sprayer with clean water after each use

Number Four

Use clean sprayer Carefully measure and mix the amount of Diazinon and water as suggested in the chart

HOW TO MIX AND APPLY

Number One:

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 or in advance of an expected infestation as needed or As noted in the rate chart

Directions for application for specific crops and areas see attached booklet.

LOT NO

ACCEPTED

SEP 14 1982

50 Home and Garden

DIAZINON INSECTICIDE

25% Spray Concentrate

DIRECTIONS FOR APPLICATION

Southern Agricultural Insecticides, Inc.
Palmetto, Florida Hendersonville, N.C. Boone, N.C.

Problem Area	Pests	Rate and Area Covered
Lawns		
Bent Bermuda Bluegrass Dichondra Fescue Meron St. Augustine	Ants Armyworms Bermudagrass Thrips Brown Dog Ticks* Chiggers Crickets Cutworms Earwigs Fleas Fruit Flies Lawn Billbugs** Chinch Bugs** Lawn Moths Sod Webworms Leafhoppers Mites (Bermuda Clover Fleabugs (Billbugs) Springtails (Collembola)	1 fl. oz. in 3 gals. of water covers 125 sq. ft. 8 fl. oz. in 24 gals. of water covers 1000 sq. ft. Thoroughly wet down grass a few hours before applying. *Brown Dog Ticks: Do not apply to animals. In particular spray under shrubbery and the grass next to house. **Lawn Billbugs: Water the lawn thoroughly immediately after treatment. In the North if Chinch Bugs are the only lawn insect problem, a lower rate of application can be used. ½ fl. oz. in 3 gals. of water covers 125 sq. ft.
	Millipedes 2 fl. oz. in 3 gals. of water covers 125 sq. ft. Thoroughly wet grass a few hours before applying.	
	Bluegrass Scales 1 fl. oz. in 3 gals. of water covers 100 sq. ft. Apply when Scale Crawlers first emerge.	
	Ants Digger Wasps* 1 fl. oz. in 3 gals. of water covers 125 sq. ft. Spot spray ant hills and wasp ground nest openings. *Make the application when the wasps are not active.	
	Billbugs* White Grubs** of Japanese Beetle European Chafer Southern Chafer 1 fl. oz. in 3 gals. of water covers 125 sq. ft. Water grass thoroughly after application. *Billbug control: Apply when activity is first observed or when chewed or brown grass is present indicating damage from the insect. **Grub control: Make application any time between late July and early October.	
	Hyperodes Weevil (New York only) ½ fl. oz. in 3 gals. of water covers 125 sq. ft. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.	

Fire Ants

To aid in the control of fire ants in lawns and other recreation areas, apply 1 fl. oz. (2 tbsp.) in a minimum of 1 gal. of water as a drench. Apply over and 6 inches around each mound. Apply gently to avoid disturbing ants. Reapply as necessary. Larger quantities of solution can be prepared for multiple mound treatments. Use equipment capable of delivering the diluted products 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.

Trees & Shrubs		Wet leaves and branches to the dripping point. Try to penetrate dense foliage.
Arborvitae Azalea, Birch Boxwood Camellia Douglas Fir, Elm Hawthorn, Holly Juniper Lilac, Locust Maple, Mimosa Oak, Pine Plum, Poplar Rhododendron Spruce, Willow		Aphids, Bagworms, European Pine Shoot Moths, Holly Bud Moths, Dipterous Leaf Miners (Arborvitae, Azalea, Birch, Boxwood, Holly, Oak), Leafhoppers, Mealybugs, Mites (Clover, Cyclamen, European Red, Privet, Two-spotted Spider), Obscure Root Weevils, Omnivorous Leaf Tiers, Scale Crawlers (Cottony-cushion, Euonymus, Lecanium, Pine Needle, Pit Scale, San Jose, Soft) 1 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray.
		Webworms (Juniper, Mimosa*), Whiteflies 1 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray. *Mimosa Webworms: Apply as a thorough foliar spray when adults first appear. Make two additional applications at 4-5 week intervals.
		Apple and Thorn Skeletonizers, Hemlock Chermes, Oak Loopers, Oblique-banded Leaf Rollers, Pear Slugs, Tent Caterpillars, Webworms (Cotoneaster, Fall) 3 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray.
Roses & Flowers		Wet the plants to the dripping point. Try to hit underside of leaves and penetrate dense foliage.
Azaleas, Camellias, Chrysanthemums Carnations, Gladioli, Lilac Rhododendron Roses		Aphids, Euonymus Scale Crawlers, Flea Beetles, Dipterous Leaf Miners, Leafhoppers, Mealybugs, Mites (Carnation Bud, Carnation Shoot, Cyclamen, European Red, Two-spotted Spider), Thrips, Whiteflies 1 fl. oz. in 3 gals. of water. Apply as a thorough foliar spray.

Directions For Applying (Cont'd)

[illegible] Area	[illegible]
[illegible] Celery Endive Lettuce Parsley Squash	Aphids Flea Beetles Leafhoppers Tarnished Plant Bugs Mites [illegible] sq. ft. of garden
Cantaloupes Cucumbers Muskmelon Squash Watermelon	Aphids Thrips Mites 1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden
Peppers Potatoes Tomatoes	Aphids Colorado Potato Beetles Fall Armyworms (tomato) Flea Beetles Leafhoppers Southern Armyworms (potato and tomato) Vinegar Flies (if [illegible] spp. [tomato]) 1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden
Onions	Onion Thrips 1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden
Sweet Corn	Aphids Flea Beetles Grasshoppers Mites 1 fl. oz. in 3 gals. of water covers approximately 1,000 sq. ft. of garden
Vegetables*	*Preplant Soil Application*
Cabbage Carrots Corn Lettuce Peas Pole Beans Radishes Red Beets Snap Beans Tomatoes Turnips	Cutworms (Surface, Subterranean) 6 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage Apply broadcast just before planting. Immediately work into soil 2-3 inches for Surface Cutworms, 4-6 inches for Subterranean Cutworms
	Garden Symphylans (Garden Centipedes) 15 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage Apply broadcast just before planting. Immediately work into soil 4-8 inches
	Mole Crickets Carrots Corn Peas Pole Beans Red Beets and Snap Beans *Only* 1.5 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage Apply broadcast just before planting. Apply 1-2 days before sowing or transplanting. Immediately work into soil 1-2 inches
	Root Maggots Cabbage *Only* 4.5 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage Apply broadcast just before planting. Immediately work into soil 3-4 inches before seeding, either in seed bed or in field or before transplanting
	Wireworms Cabbage Carrots Corn Lettuce Peas Snap Beans and Tomatoes *Only* 6 fl. oz. per 1,000 sq. ft. in sufficient water to achieve thorough coverage Apply broadcast just before planting. Immediately work into soil 4-8 inches

*Do not spray Vegetables within

1 day	—Peas Tomatoes Sweet Corn
3 days	—Cantaloupes Muskmelons Squash Watermelons
5 days	—Broccoli Cauliflower
7 days	—Beans Cabbage Cucumbers Peppers
10 days	—Carrots Celery Collards Endive Kale Lettuce —Onions Parsnips Radishes Spinach Turnips
35 days	—Potatoes

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)*† 8 fl. oz. in 3 gals. of water Thoroughly spray window and door screens, sills, foundations, porch and patio walls and ceilings, entrance ways, walks, garbage cans, tree trunks, and into cracks and other places where insects can hide Do not treat plants or animals *Spray a 5 ft. band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 feet †See lawn recommendations for other control measures for these pests

Directions For Applying (Cont'd)

[illegible] Area	Pests [illegible]
Fruits* & Nuts	Start spray [illegible]
A[illegible]s F[illegible]erts Pecans Wal[illegible]uts	A[illegible] Mites
	[illegible] in 3 gals of water Ap[illegible] as a [illegible] cover spray
	[illegible] apply after [illegible] spray
A[illegible] Pears	Aphids [illegible]
	1 fl oz in [illegible] gals of water Ap[illegible] cover spray
	[illegible]
A[illegible]ts [illegible] Nectarines	A[illegible]
	[illegible] gals of water Apply [illegible] cover spray
Cherries	Black Cherry Aphid Cherry [illegible] Mites [illegible] Scale Crawlers San Jose [illegible]
	1 fl oz in 3 gals of water Apply as a f[illegible] cover spray
Figs	Dried Fruit Beetle Vinegar Flies [illegible] spp
	1 fl oz in 3 gals of water Apply as a full cover spray
Plums Prunes	Aphids (Leaf Curl Plum Mealy Plum Thistle) Mites (Clover [brown] European Red)
	1 fl oz in 3 gals of water Apply as a full cover spray
Caneberries (blackberries boysenberries dewberries loganberries raspberries)	Aphids Leafhoppers Raspberry Sawfly Raspberry Fruitworm Two-spotted Mites Thrips
	1 fl oz in 3 gals of water Apply as a full cover spray
Blueberries	Aphids Blueberry Maggot Cranberry Fruitworm Cherry Fruitworm Cherry Fruitworm (Maggot) Two spotted Mites Thrips
	1 fl oz in 3 gals of water Apply as a full cover spray
Strawberries	Aphids Two-spotted Mites Strawberry Leaf Roller
	1 fl oz in 3 gals of water Apply as a full cover spray
Grapes	Aphids Grape Berry Moths Grape Leaffolders Leafhoppers Scale Crawlers
	1 fl oz in 3 gals of water Apply as a full cover spray
Grapefruit Lemons Oranges	Citrus Thrips Scale Crawlers (Citrus Snow** Cottony-cushion)
	1 fl oz in 3 gals of water Apply as a full cover spray
	**2 fl oz in 3 gals of water Apply as a full cover spray after blooming and again in the summer Thorough spray coverage of tree trunk limbs and twigs is essential

*Do not spray Fruit within

5 days – Strawberries Figs

7 days – Blueberries Caneberries

10 days – Apricots Cherries Grapes Nectarines Plums Prunes

14 days – Apples Pears

21 days – Grapefruit Lemons Oranges Peaches

Vegetables*	*Foliar Application*
	Thoroughly spray all plant parts Generally applications at 7 to 10-day intervals may be required Do not feed treated vines to livestock
Beans Peas	Aphids Cucumber Beetles Grasshoppers Leafhoppers Mexican Bean Beetles Mites
	1 fl oz in 3 gals of water covers approximately 1 000 sq ft of garden
Cabbage Cauliflower Collards, Broccoli, Kale Radishes Turnips	Aphids Diamondback Moths Flea Beetles Imported Cabbage Worms Dipterous Leaf Miners
	1 fl oz in 3 gals of water covers approximately 1 000 sq ft of garden

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SEP 14 1982

d. In the statement of practical treatment block, the "If in in eyes" segment should be written as follows: "Flush eyes with plenty of water. Call a physician immediately."

e. There are several establishment numbers displayed on the label and it is assumed that only the appropriate number will show at marketing.

f. The directions for application should be revised as follows:

(1) In the "Lawns" section, spell "Rhodesgrass" correctly.

(2) Consolidate and rearrange your vegetable sections. For example, your label of April 9, 1982, has the continuation of foliar application for vegetables immediately after "Roses and Flowers."

Your confidential Statement of Formula (item 15) indicates you will submit the flash point for SA-50 Brand Diazinon Insecticide 25% Spray Concentrate. As of this date, you have not submitted this information and it should be submitted prior to marketing.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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

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

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure