

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (73-747) WASHINGTON, DC 20460	EPA REGISTRATION NO. 829-263	DATE OF ISSUANCE SEP - 2 1988
	TERM OF ISSUANCE Until Reregistration	
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)		
NAME OF PESTICIDE PRODUCT SA-50 Brand Diazinon 50W Insecticide		

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Southern Agricultural Insecticides, Inc.
 P.O. Box 218
 Palmetto, FL 33561

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 829-263."
 - b. This product is subject to a chemigation statement (See PR Notice 67-1).
 - c. Add "SA-50 Brand" to the product name on the label.
 - d. Use the full product name or "this product" within the directions for use text. Not "Diazinon 50W."
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.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL: *[Signature]* DATE: 9/2/88

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

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

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

Enclosures

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 09 1968

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

829-263

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING**

May be fatal if swallowed. May be absorbed through skin. Do not breathe dust or spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling and before eating or smoking. Avoid contamination of food or feed. Keep out of reach of domestic animals. Do not use on humans, pets or livestock. Do not permit children or pets to go on sprayed grass or contact sprayed surfaces until spray has completely dried.

ENVIRONMENTAL HAZARDS

This product is toxic to birds, fish and wildlife including waterfowl. Birds and 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 in Nassau County, New York between November 01 and May 20. Do not exceed maximum permitted rates/rates as rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. Where irrigation (watering) is recommended apply a minimum of 0.25 inch of water immediately after application. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply to water that will be used for recreational purposes and human and livestock consumption. Shrimp and crab may be killed at application rates recommended on the label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. This product must not be used in areas where impact on threatened endangered species is likely.

PHYSICAL AND CHEMICAL HAZARDS:

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

**DIAZINON 50W
INSECTICIDE**

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

**FOR THE CONTROL OF CERTAIN INSECTS ON FRUITS, NUTS,
VEGETABLES, TOBACCO, LAWNS AND ORNAMENTALS**

ACTIVE INGREDIENT:
DIAZINON 0,0-Diethyl 0-
(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothiate 50.0%

INERT INGREDIENTS: 50.0%

TOTAL 100.0%

**KEEP OUT OF REACH OF CHILDREN
WARNING**

**SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY
STATEMENTS.**

EPA Est. No. 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 of label.

Southern Agricultural Insecticides, Inc.
Palmetto, FL 34221 / Hendersonville, NC 28793 / Boone, NC 28607
EPA Reg. No. 829-AA Net Weight: 12 oz.

STATEMENT OF PRACTICE

IF SWALLOWED: Call a physician or poison center immediately. Give victim one or two glasses of water by touching finger to back of throat. Repeat. Do not induce vomiting or give anything by mouth.
IF INHALED: Remove victim to fresh air and rest if indicated.
IF ON SKIN: Remove contaminated clothing thoroughly with soap and water.
IF IN EYES: Flush eyes with plenty of water until vision develops or persists.
NOTE TO PHYSICIAN: Gastric lavage may be taken internally. Diazinon is an organophosphate. If symptoms of cholinesterase inhibition are present, atropine is antidotal. 2-PAM is also administered but only in conjunction with atropine.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product without its labeling.
SEE ATTACHED BOOKLET FOR SPECIFIC DIRECTIONS.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Store pesticide in a locked storage area.
PESTICIDE DISPOSAL: To dispose of pesticide, place in original container in several layers of newspaper and bury in trash.
CONTAINER DISPOSAL: Do not reuse container. Rinse thoroughly before discarding in trash.

WARNING

KEEP OUT OF REACH OF CHILDREN.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed. May be absorbed through skin. Do not breathe dust or spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling and before eating or smoking. Avoid contamination of food or feed. Keep out of reach of domestic animals. Do not use on humans, pets, or livestock. Do not permit children or pets to go on sprayed grass or contact sprayed surfaces until spray has completely dried.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED, call a physician or poison control center immediately. Give victim one or two glasses of water and induce vomiting by touching finger to 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 and apply artificial respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected areas thoroughly with soap and water.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation develops or persists.

NOTE TO PHYSICIANS: gastric lavage may be indicated if product was taken internally. Diazinon is an organic phosphate 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.

ENVIRONMENTAL HAZARDS

This product is toxic to birds, fish and wildlife including waterfowl. Birds and 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 in Nassau County, New York between November 01 and May 20. Do not exceed maximum permitted label rates, and rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. Where irrigation (watering) is recommended apply a minimum of 0.25 inch of water immediately after application. Stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply to water that will be used for recreational purposes and human and livestock consumption. Shrimp and crab may be killed at application rates recommended on the label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. This product must not be used in areas where impact on threatened endangered species is likely.

Contact your State Fish and Game Agency for information pertaining to areas having threatened endangered species.

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 the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity. Apply this product only as specified on this label.

PHYSICAL AND CHEMICAL HAZARDS: Do not use, pour, spill, or store near heat or open flame.

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY.

IMPORTANT: Read the entire Directions for Use, all precautions, and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND WARRANTY

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

Southern Agricultural Insecticides, Inc. warrants that this product conforms to the chemical description of the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. Southern Agricultural Insecticides, Inc. makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Southern Agricultural Insecticides, Inc. or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Southern Agricultural Insecticides, Inc. and the Seller offer this product and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Southern Agricultural Insecticides, Inc.

GENERAL INFORMATION: Unless otherwise noted in the directions for use, Diazinon 50W should be mixed with sufficient water to assure thorough coverage and best control is obtained when application is made at first sign of insects. Applications should be repeated as necessary to maintain control. Diazinon 50W is a wettable powder formulation and constant agitation is necessary during application.

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DIRECTIONS FOR USE

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

Before applying consult appropriate local state Agricultural Authority to determine if label recommendations are consistent with recommendations for the crop/location.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The treatment area must be vacated by all persons, except those knowingly involved in the application. Do not allow reentry of treated area or contact with treated surfaces until spray has completely dried.

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

Directions for measuring Diazinon 50W are given in teaspoonfulls (tsp), tablespoonfulls (TBS), and cupfulls (8 liquid ounces).

FRUIT & NUT INSECTS:

Diazinon 50W is to be applied as dilute ground sprays. Mix specified rate of Diazinon 50W and apply 7 gals to 14 gals per 1000 sq. ft. of treated planting. Observe stated time intervals between last application and harvest.

APPLES: Leafhoppers: Apply 2 tsp per gal. of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.

Eyespotted bud moth, Fruittree leaf roller, Mealybug: Use 2 tsp per gal. of water. Make 3-8 cover sprays, beginning in the pink stage. Do not apply within 14 days of harvest.

APPLES and PEARS: (See also Pears)

Scales (including San Jose, parlatoria, black, brown, apricot); **Mite eggs** (including European red mite, brown mite); **Twig borers;** **Aphid eggs** (including apple, black cherry, mealy plum); **Mealy bugs:** Apply as a dormant spray using 2 tsp per gal. plus 3 TBS superior type oil per gal. of water.

Codling moth, Rosy apple aphid, Green apple aphid, Woolly apple aphid, Mites (suppression): Make 3-8 cover sprays using 2 tsp per gal. of water, beginning with first cover spray.

Apple Maggot: Mix 2 tsp per gal. of water. Make at least 3 cover sprays when flies are active and laying eggs.

San Jose scale crawler, Forbes scale crawler: Mix 2 tsp per gal. of water. Apply early in spring when crawlers first appear. If infestation warrants, make second application 7-10 days later. Applications should be timed according to insect infestations.

Note: Slight russeting may occur on some varieties such as Golden Delicious. Do not apply to apples or pears within 14 days of harvest.

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BLUEBERRIES:

Cranberry Fruitworm, Cherry Fruitworm, Blueberry Maggot, Aphids, Thrips, Twospotted Mite: Mix 2 tsp per gal. of water. Apply up to 4 1/2 gals. of spray per 1000 sq ft. Do not apply within 7 days of harvest.

CANE BERRIES: (BLACK BERRIES, BOYSENBERRIES, DEWBERRIES, LOGAN BERRIES, RASPBERRIES):

Leafhoppers, Thrips, Aphids, Twospotted Mite, Raspberry Sawfly: Apply 2 tsp per gal. of water. Apply up to 4 1/2 gals. of spray per 1000 sq ft. Raspberry Fruitworm: Apply at the above rates when blossom buds separate and repeat application immediately before blossoms open.

Dryberry Mite: Apply 4 tsp per 1000 sq ft in a minimum of 2 gals. of water. Apply as a dormant spray in early spring, when canes are still on the ground and buds are well developed but still closed. Make a second application when the buds are well developed but still closed.

Raspberry Crown Borer (Raspberry Root Borer): Apply 2 1/2 TBS per 1000 sq ft using a minimum of 4 1/2 gals. of water as a drench to the crown area and to the lower canes. Apply either in the spring before berries begin to form, or in the fall after harvest.

Do not apply to above caneberries within 7 days of harvest.

CHERRIES:

Scales (including San Jose, parlatoria, black, brown, apricot); Mite eggs (including European red mite, brown mite); Twig borers; Aphid eggs (including apple, black cherry, mealy plum); Mealybugs: Apply as a dormant spray using 2 1/2 tsp plus 3 TBS superior type oil per gal. of water.

Eyespotted bud moth, Fruittree leafroller: Mix 2 tsp per gal. of water. Apply in cover sprays as necessary beginning with petal fall.

Cherry fruit fly: Mix 1-2 tsp per gal. of water. Make 3 or 4 applications, beginning when adult cherry fruit flies begin to emerge and repeat at 10 day intervals.

Leafhoppers: Apply 2 tsp per gal. of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.

Black Cherry Aphid: Mix 2 tsp per gal. of water. Apply as a cover spray when aphids appear and repeat after 10 days.

San Jose scale crawler: Mix 2 tsp per gal. of water. Apply during the pre-pink stage or when crawlers first appear.

Cherry rust mite: Mix 1-2 tsp per gal. of water. Apply as a supplemental spray after harvest.

Do not apply to cherries within 10 days of harvest.

CITRUS FRUITS (TROPICALS): (Grapefruit, Lemons, Limes, Oranges, Tangelos, Tangerines, Citrus Citron, Kumquats, and hybrids of these.)

Apply to obtain thorough coverage without excessive run off. Do not apply more than 22 gals. of spray per 1000 sq. ft.

Citrus aphid, Cottony cushion scale crawlers, Soft scale crawlers: Apply... 1 - 2 tsp per gal. of water when aphids and crawler stages of scale insects first appear.

Citrus thrips: Apply 2 tsp per gal. of water when thrips first appear.

Citrus snow scales: Apply 2 - 4 tsp per gal. of water as a post-bloom spray, and again as a summer spray. For heavy snow scale infestations use the higher dosage rate. Thorough coverage of tree trunks, limbs, and twigs is essential.

PRECAUTION: Do not apply during bloom. Do not apply to citrus within 21 days of harvest.

GRAPES:

Leafhoppers, Grape berry moth: Apply 2 tsp. per gal. of water, maximum 4 1/2 gals. of spray, per 1000 sq ft. as a thorough cover spray. Do not apply within 18 days of harvest.

Drosophila spp: Apply 3/4 tsp per gal. of water, maximum 4 1/2 gals. spray per 1000 sq ft. as a thorough cover spray, and apply when insects first appear. Make additional applications at weekly intervals as necessary.

Do not apply within 7 days of harvest or within 18 days of harvest if a spreader sticker is used.

PEACHES, NECTARINES:

Scales (including San Jose, parlatoria, black, brown, apricot; Mite eggs (including European red mite, brown mite); Twig borers; Aphid eggs (including apple, black cherry, mealy plum); Mealybugs: Apply as a dormant spray using 2 tsp Diazinon 50W plus 3 TBS superior type oil per gal. of water.

Aphids, Brown Mite (Clover Mite), Twospotted Spider Mite, Olive Scale Crawlers, San Jose Scale Crawlers: Mix 2 tsp per gal. of water. Apply when aphids, mites, and scale crawlers first appear.

Oriental fruit moth: Mix 2 tsp gal. of water and apply at 100% petal fall. Make 2 additional applications at 10-15 day intervals. Time the last application to peak adult Oriental Fruit Moth flight, if possible.

Peach twig borer: Mix 2 tsp gal. of water and apply to peaches in May and June.

Leafhoppers (Peaches only): Apply 2 tsp per gal. of water in 3-5 applications beginning at petal fall and continuing through the growing season, or apply as infestations develop.

White peach scale (Peaches only): As a postharvest spray apply 3-4 tsp per gal. of water timed to coincide with peak crawler and immature scale activity. Under conditions of heavy infestations, two applications may be necessary.

Do not apply to peaches within 20 days, or to nectarines within 10 days of harvest.

PEARS: See also apples and pears section.

Pear psylla apply using 1-2 tsp per gallon of water as a cover spray at pre-pink stage. Make 1 or two more applications during the first and second cover sprays if necessary. Tentiform leafminer, Mealybug: Apply using 1 tsp per gallon of water in three cover sprays, beginning in April. Do not apply to pears within 14 days of harvest.

Pecans: Aphids, Mites, Pecan nut casebearer, Walnut caterpillar: Apply 3 1/2 TBS = 1/2 cupful per 2 1/2 gals. of water per 1000 sq ft as foliage spray. Do not apply after husks crack.

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PINEAPPLE:

Scales: Apply 1 cupfull Diazinon 50W plus 3/4 cup of light or medium horticultural oil in 11 1/2 gals of water per 1000 sq ft to the vegetative slips on the plants following harvest of pineapple.

Pineapple mealybug: 6 1/2 TBS per 2 1/2 gal. of water per 1000 sq ft. May be applied to day of harvest.

Pineapple forage and refuse must not be fed to livestock within 7 days of last application.

STRAWBERRIES:

Aphids, Twospotted spider mite: Apply 5 tsp in 2 1/2 gal. per 1000 Sq ft.

Cyclamen mite: Apply 3 TBS per 2 1/2 gal. of water per 1000 sq ft, directing spray to plant crowns. Plants should be sufficiently agitated to assure thorough coverage of the foliage. Make additional applications, if necessary, after harvest.

Mole cricket: Broadcast 3 TBS per 2 gal. per 1000 sq ft when insects are present. Apply 1-2 days before transplanting and immediately mix into the top 1-2 inches of soil.

Strawberry leafroller: Mix 3 TBS per 4 1/2 gals. of water per 1000 sq. ft. when blossoms show color.

Do not apply to strawberries within 5 days of harvest

VEGETABLE AND TOBACCO FOLIAR INSECTS:

Diazinon 50W should always be applied as a spray in sufficient water to obtain thorough coverage of foliage.

BEANS: (POLE BEANS, SNAP BEANS, LIMA BEANS:)

Black bean aphid, Mexican Bean Beetles, Leafminers: Apply 2 1/2 TBS per 2 gals. of water 1000 sq. ft.

Cucumber beetle: apply 3 1/2 tsp per 2 gals. of water per 1000 sq ft.

Do not apply within 7 days of bean harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

LIMA BEANS:

Lipterous leafminer, leafhoppers, Mites: Apply 1 1/2 TBS per 2 gals. of water per 1000 sq ft. Do not apply within 7 days of harvest. Bean forage or bean hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

BROCCOLI, CABBAGE, CAULIFLOWER:

Aphids, Diamondback moth, Imported cabbageworm: Apply 4 tsp per 2 gals. of water per 1000 sq ft. Applications at 7-10 day intervals will usually be required. Do not apply to broccoli or cauliflower within 5 days, or to cabbage within 7 days of harvest.

BRUSSELS SPROUTS:

Aphids, Diamondback moth, Imported cabbageworm: Apply 1 1/2 TBS per 2 gal of water per 1000 sq. ft. Generally, applications at 7-10 day intervals will be required. Do not apply to Brussels sprouts within 7 days of harvest.

CARROTS: aphids: Apply 1 1/2 TBS per 2 gal of water per 1000 sq. ft. Do not apply within 10 days of harvest.

CELERY:

Aphids, Flea beetles: Apply 1 1/2 TBS per 2 1/2 gal. of water per 1000 sq. ft. Do not apply within 10 days of harvest. Plants should be market trimmed (tops removed) before being shipped or used. Tops should not be used for feed or food.

COLLARDS, KALE, SWISS CHARD, TURNIP TOPS:

Aphids, Imported cabbageworm, Diamondback moth, Harlequin cabbage bug: Apply 1 1/2 TBS per gal of water per 1000 sq ft. Do not apply to collards, kale, or turnip tops within 10 days, or to Swiss chard within 12 days of harvest.

CUCUMBERS:

Aphids, Serpentine leafminer, Thrips: Apply 1 1/2 TBS per 2 gals. of water per 1000 sq. ft. Do not apply within 7 days of harvest.

LETTUCE, ENDIVE:

Aphids, Dipterous leafminer: Apply 1 1/2 TBS per 2 gals. of water per 1000 sq. ft. Do not apply within 10 days of harvest.

MELONS & SQUASH: (Cantaloupes, Casabas, Crenshaws, Honeydew Melons, Muskmelons, Persian Melons, and hybrids of these; Watermelons and their hybrids; Summer and Winter Squash:)

Aphids, Leafhoppers, Mites: Apply 2 TBS per 2 1/2 gal. of water per 1000 sq. ft.

Serpentine leafminer, Thrips: Apply 1 1/2 TBS per 2 1/2 gals. of water per 1000 sq. ft.

Do not apply to melons or winter squash within 3 days, or to summer squash within 7 days of harvest.

ONIONS:

Onion thrips: Apply 1 1/2 TBS per 2 gals. of water per 1000 sq.ft. Do not apply within 10 days of harvest.

PEAS:

Aphids, Leafminers: Apply 1 1/2 TBS per 2 gals. of water per 1000 sq. ft. Peas may be picked immediately. Pea vines and pea vine hay may be fed to dairy and beef cattle and sheep. Wait 4 days following treatment if forage is to be cut for hay.

PEPPERS:

Aphids, Serpentine leafminer: Apply 2 1/2 tsp per gal. of water per 1000 sq.ft. Do not apply within 5 days of harvest.

POTATOES:

Aphids, Flea Beetles, Colorado potato beetle, Dipterous leafminer: Apply at the rate of 3 1/2 tsp per 2 gals. of water per 1000 sq. ft.

Banded cucumber beetles, Leafhoppers, Southern armyworm: Apply 1 1/2 TBS per 2 gals. of water per 1000 sq.ft.

Do not apply to potatoes within 35 days of harvest.

RADISHES, PARSNIPS, TURNIPS:

Aphids, Flea Beetles, Dipterous leafminer: Apply 1 1/2 TBS per 2 gals. of water per 1000 sq.ft. Do not apply within 10 days of harvest.

SPINACH, BEETS:

Aphids, Dipterous leafminer: Apply 1 1/2 TBS per 2 gals. of water per 1000 sq. ft. Do not apply to spinach within 10 days, or to beets within 14 days of harvest.

TUBEROUS: aphids, Flea beetles: Apply 2 1/2 to 3 1/2 tsp. per 2 gals. of water per 1000 sq. ft. Do not apply within 3 days of harvest.

TOMATOES:

Aphids: Apply 2 1/2 tsp per 2 gals. of water per 1000 sq. ft.

Banded cucumber beetle, Fall armyworm, Southern armyworm: Apply 1 1/2 TBS per 2 gals. of water per 1000 sq.ft.

Vinegar fly (*Drosophila* spp.): Apply 2 1/2 tsp. to 2 1/2 TBS. per 2 gals. of water per 1000 sq. ft. Weekly applications are usually required.

Do not apply to tomatoes within 1 day of harvest.

VEGETABLE AND TOBACCO SOIL INSECTS :

'Unless otherwise stated, soil application of Diazinon 50W should be applied to vegetable crops and tobacco as a spray in a minimum of 2 gals. of water per 1000 sq.ft.

NOTE:USE ONLY ONE OF THE RECOMMENDED SOIL TREATMENTS.

CUTWORMS (SURFACE AND SUBTERRANEAN):

Broccoli	Endive (Escarole)	
Potatoes	Brussels Sprouts	Snap Beans
Cabbage	Kale	Spinach
Cantaloupes	Lettuce	Summer Squash
Cauliflower	Lima Beans	Sweet Corn
Celery	Muskmelons	Swiss Chard
Collards	Parsley	Tomatoes
Cowpeas	Peas	Watermelons
Cucumbers	Peppers	Winter Squash

Broadcast @ 1/2 TBS (3/4 cupful) per 1000 sq.ft. just prior to planting. Work into the soil immediately, 2-3 inches for surface cutworms, 3-6 inches for subterranean cutworms.

Tobacco: Cutworms; broadcast 1/2 cupfull in 2 gals. of water per 1000 sq. ft. 3 - 4 weeks before transplanting. Work into 2 - 4 inches of soil immediately.

NOLE CRICKETS:

Broccoli	Cauliflower	Kale	Radishes
Brussels Sprouts	Collards	Lettuce	Tobacco
Cabbage	Endive (Escarole)	Mustard	Tomatoes
		Peppers	Turnips

Broadcast 3 TBS per 1000 sq.ft. when insects are present. Make application to plant beds or field 1-2 days prior to sowing of seed or transplanting and immediately work into soil 1-2 inches.

Union Maggots: Unions: Broadcast Application: Broadcast 3 TBS. per 1000 sq. ft. just prior to planting. Immediately work into soil 3-4 inches.

Root Maggots: Broccoli, Brussels Sprouts, Cabbage, Cauliflower: Broadcast Application: Broadcast 1/2 Cupfull per 1000 sq.ft. and immediately work into the soil 3-4 inches, before seeding, either in the seedbed or in the field, or before transplanting.

Transplant water (drench) application: Mix 2 tsp per gal. of transplant water and apply 1/2 - 1 cupful of transplant water mixture per plant.

PRECAUTION: TRANSPLANT WATER TREATMENTS MAY RESULT IN STAND REDUCTION DUE TO PLANT STRESS AT TIME OF TRANSPLANTING.

Radishes: Mix 1 1/2 TBS. in 1 1/3 gals. of water. Apply 1 1/3 gals. per 1,000 linear feet of row in the seed furrow at planting time.

WIREWORMS:

Broccoli	Endive (Escarole)	Snap Beans	
Brussels Sprouts	Kale	Spinach	
Cabbage	Lettuce	Summer Squash	
Cantaloupes	Lima Beans	Sweet Corn
Carrots	Muskmelons	Sweet Potatoes
Cauliflower	Onions	Swiss Chard
Celery	Parsley	Tomatoes
Collards	Peas	Watermelons
Cucumbers	Peppers	Winter Squash

Broadcast to soil 3/4 Cupfull per 1000 sq.ft. prior to planting. Immediately work into soil to a depth of 4-8 inches.



Potatoes: Broadcast 1 Cupful per 1000 sq.ft. prior to planting. Immediately work into soil to a depth of 4-8 inches.

Southern potato wireworm (Southeastern U.S.):

Potatoes: For use to control Southern potato wireworm in potatoes grown on mineral soils, broadcast 3/4 Cupfull per 1000 sq. ft. prior to planting. Immediately work into soil to a depth of 3-6 inches depending on location of wireworms

Tobacco: (Broadcast application); Apply 1/2 cupfull in 2 gals. of water per 1,000 sq. ft. 3 to 4 weeks before transplanting. Work into 6 - 9 inches of soil immediately after application. (Transplant water application); Mix 1/2 to 3/4 cupfuls in 50 gals. of transplant water.

ORNAMENTAL INSECT CONTROL

To control certain insects on Arborvitae, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Douglas Fir, Elm, Gladioli, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, Spruce, and Willow, apply the recommended rates indicated below:

To control Aphids, bagworms, Carnation bud mites, Carnation shoot mites, Clover mites, Cyclamen mites, Dipterous leafminers, European pine shoot moths, European red mites, Flea beetles, holly bud moths, Leafhoppers, Obscure root weevils, Omnivorous leaf tiers, Privet mites, Scale crawlers (Cottony cushion, Lecanium, Pine needle, San Jose, Soft scale), Thrips, Twospotted mites, Webworms, Whiteflies. Apply 2 tsp per gallon of water.

To control Apple-and-thorn skeletonizers, Cotoneaster webworms, Fall Webworms, Hemlock, chermes, Oak loopers, Obliquebanded leafrollers, Pear slugs, Tent caterpillars. Apply 2 TBS per gallon of water.

PRECAUTION: DO NOT use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea, and Gardenia, since injury to the plants may occur.

Himosa Webworms: Mix 2 tsp per gal. of water and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

LAWN PEST CONTROL (EXCLUDING GOLF COURSES and SOD FARMS)

To control pests listed below, apply recommended rates. For control of Ants, Brown dog ticks, Clover mites, Crickets, Earwigs, Fleas, Hillipedes, Sowbugs, and Springtails (Collembola), which are commonly found near the house and may enter the house, spray a 5 ft. band of soil around the house, as well as the house foundation wall to a height of 2-3 ft. Repeat application if necessary.

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. If waterfowl, i.e. ducks, geese can be expected to enter the treated area after treatment (except spot treatment), water lawn with at least 0.25 inch water immediately after application, however stop watering before puddling occurs.

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Rate/1,000 sq. ft

PESTS	Diazinon 50W	WATER	REMARKS
Lawn Chinch Bugs	1/2-3/4 cupful	3 gals.	Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine lawns.
Ants, Armyworms, Clover mites, Springtails (Collembola), Crickets, Cutworms, bigger wasps, Earwigs, Frit flies, Lawn billbugs, Sod webworms (Lawn moths), Sowbugs	3/4 cupful	3 gals.	Spot spray ant hills and wasp ground nest openings For frit flies, mow grass and water well before treatment but delay application until grass is dry
Brown dog ticks, bermudagrass mites, Chiggers, Fleas, Leafhoppers	6 TBS	3 gals.	NOTE: Do not apply to animals. For Brown dog ticks, spray grass and under shrubbery, particularly near house.
Millipedes	3/4 cupful	3 gals.	
Rhodesgrass scales	3/4 cupful	3 gals.	Apply when crawlers first emerge.
Boxelder bugs: Spray bugs outside the home with 1/2 cupful in 1 gal. water. At the same time, thoroughly spray around foundation, windows, doors, tree trunks, and into cracks and other places where insects hide.			

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Store pesticide in the original container in a locked storage area.

PESTICIDE DISPOSAL: To dispose of pesticides, securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse container. Rinse thoroughly before rescaling in trash.

Southern Agricultural Insecticides, Inc.

Palmetto, Fla. 33561
EPA Reg. No. 329

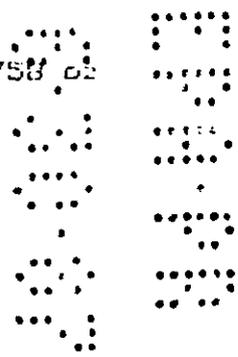
Hendersonville, N.C. 28739

Boone, N.C. 28607

Note: The following conversion factors are not part of the label. They are added here for the convenience of those reviewing this label.

CONVERSION FACTORS USED.

- 1 tsp weighs 2.15 grams $2.15/454 = 0.0047356$ lbs / 16 = 0.0758 oz
- 1 lb/acre equiv to 0.023 lb/1000 sq ft = .3673 oz / 1000 sq ft
- 1 lb/acre equiv to 4.045 tsp/1000 sq ft.
- 3 tsp = 1 TBS 15 TBS = 1 cupful
- 100 gal/acre equiv to 2.3 gal/1000 sq ft.



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