

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460  <b>NOTICE OF PESTICIDE:</b> <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREГИSTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	EPA REGISTRATION NO. 9404-64	DATE OF ISSUANCE MAY 6 1986
	TERM OF ISSUANCE Until Reregistered	
	NAME OF PESTICIDE PRODUCT Diazinon 4-F Insecticide	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Sunniland Corporation  
 P.O. Box 1697  
 Sanford, FL 32771

161/159629  
181

**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.

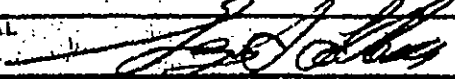
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

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 and/or 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. 9404-64."
  - b. Insert "RECOMMENDED" before "FOR COMMERCIAL/INDUSTRIAL USE ONLY."
  - c. Place an asterisk after INERT INGREDIENTS and add a footnote "\*Contains xylene range aromatic solvent."
  - d. Delete "Diazinon<sup>®</sup>" Ciba-Geigy Corporation." Diazinon is now the accepted common name.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE
	5/6/86

- e. Revise the Note to Physician to read: Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally. If symptoms of cholinesterase inhibition are present, atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine.
- f. Delete the Spanish language precautionary statement. That statement is used on agricultural products requiring hand labor. See PR Notice 83-2.
- g. A one-year storage stability study is required for this product. See our letter of July 5, 1984.

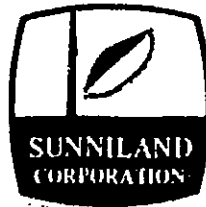
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA 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  
Re EPA Letter Dated  
  
MAY 6 1986  
  
Under the Federal Insecticide,  
Fungicide, and Herbicide Act  
as amended, for the purposes  
regulated under EPA Reg. No.  
9404-PL-1

D I A Z I N O N . 4 - E  
INSECTICIDE

FOR COMMERCIAL / INDUSTRIAL USE ONLY

FOR CONTROL OF COCKROACHES, ANTS, SILVERFISH, CARPET BEETLES, SPIDERS,  
SCORPIONS, AND TURF AND ORNAMENTAL PESTS

ACTIVE INGREDIENT:

DIAZINON [O,O-diethyl O-(2-isopropyl-6-methyl-4-  
pyrimdiny) phosphorothioate . . . . . 48.5%

INERT INGREDIENTS: . . . . . 51.5%  
Total 100.0%

Contains 4 lbs. Diazinon per gallon  
DIAZINON Reg. T.M. Ciba Giegy Corporation

KEEP OUT OF REACH OF CHILDREN ----- 12 FT  
WARNING ----- 18 FT

See Side Panel For Additional Precautionary Statements

Statements Of Practical Treatments

- Swallowed - Call a physician or Poison Control Center immediately. If possible vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.
- If Inhaled - Remove victim to fresh air. Apply respiration if indicated.
- If On Skin - Remove contaminated clothing and wash affected areas with soap and water.
- If In Eyes - Flush eyes with plenty of water. Call a physician if irritation persists.

SEE TO PHYSICIAN: Contains Aromatic Petroleum Solvent. Treat Symptomatically.....  
EPA Reg. No. 9404-64 EPA Est. No. 9404-PL-1

Net Contents \_\_\_\_\_ Gallon or \_\_\_\_\_ Litre

SUNNILAND CORPORATION  
P.O. Box 1687  
Sanford, Florida 32771

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente.

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### PRECAUTIONARY STATEMENTS

#### Hazards To Humans and Domestic Animals

**WARNING** - May be fatal if swallowed. May be absorbed thru the skin. Do not breathe 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 and feed. Keep out of reach of domestic animals. Do not use on humans, pets, or livestock. Keep children and pets off treated areas until this material is washed into the soil and the grass is dry.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds and other wildlife 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 contaminate water by cleaning of equipment or disposal of wastes.

This product is highly toxic to bees exposed to direct treatment or residues remaining on crops. 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 maximum possible intervals between treatment and the next period of bee activity.

#### PHYSICAL OR CHEMICAL HAZARDS

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

#### STORAGE & DISPOSAL — — — — — 12 Pt. TYPE

Do not contaminate water, food or feed by storage or disposal.

Store product in original container in a cool dry place out of reach of children. **PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse(or equivalent). Then offer for recycling of reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

#### DIRECTIONS FOR USE

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

Diazinon 4-E is an emulsifiable concentrate for Commercial/Industrial use by Pest Control Operators after dilution with water for the control of the following insect pests; Cockroaches, Ants, Silverfish, Carpet Beetles, Spiders, Scorpions, Water Bugs, Palmetto Bugs.

**FEED AND FOOD HANDLING ESTABLISHMENTS** - Places other than private residences in which exposed food is held, processed, prepared or served; (including but not limited to Restaurants, Grocery Stores, Bakeries, Canneries, and Grain Mills) --- Apply this product as either a Spot or Crack and Crevice treatment as directed below. Limit the Spot Treatments to floor surfaces where pests have been seen or where they are suspected of hiding. Any individual spot treatment shall not exceed 2 square feet.

Do not apply to areas, surfaces, or utensils which will come in contact with food. Take extreme care to avoid contamination of food or food contact surfaces or introducing the material into the air. See Dilution & Rate Chart.

## Feed and Food Handling Establishments(Continued)

## FOOD AND NONFOOD AREAS:

Dilute & apply this product as a Spot or Crack & Crevice treatment. Includes areas for receiving, storage, packing(canning, bottling,wrapping, boxing) preparing, edible waste storage and enclosed processing systems;(mills, dairies, edible oils, syrups), serving areas(when food is exposed and facility is in operation also should be considered a food area).and in Non-Food areas as listed.

## DILUTION &amp; RATE CHART

Gallons of Finished Spray	Amount of Diazinon 4-E to Use For		
		1/2% Spray	1% Spray
1 Gallon Finished Spray	1.25 Fl.Oz	2.5 Fl.Oz.	
3 Gallons " "	3.75 Fl.Oz.	7.5 Fl.Oz.	
10 Gallons " "	12.50 Fl.Oz.	25.0 Fl.Oz.	
25 Gallons " "	32.00 Fl. Oz. (1 Quart)	64.0 Fl.Oz. (2 Quarts)	

Note - 2-1/2 Fluid Tablespoonfuls equals 1.25 Fl.Oz.

Spot Treatment - As a Spot Treatment, apply the 1/2% or 1% dilution as a low pressure fan spray to floor surface areas around water pipers, beneath cabinets, refrigerators, sinks, stoves, storage areas, and similar areas where cockroaches, ants, spiders and silverfish hide.

Crack & Crevice Treatment - As a Crack & Crevice Treatment, use equipment capable of delivering a pin stream of insecticide and apply the 1/2% or 1% dilution spray directly into such spaces as expansion joints between different elements of construction and between equipment bases and the floor, wall board or in hollow equipment legs in Food Areas or in Non-Food Areas such as Garbage Rooms, Lavatories, Floor Drains(to sewer), Entries and Vestibules, Offices, Locker Rooms, Machine Rooms, Boiler Rooms, Garages, Mop Closets, and Storage Rooms to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, pallets, and similar areas where insects hide or enter. Do not use this product in conduits, motor housing units or electrical boxes.

The above treatments also aid in the control of Pantry Pests (exposed stages of Sawtoothed Grain Beetle, Flour Beetles, Rice Weevils, Cigarette Beetles, Drugstore Beetles, and the Indian Meal Moth) which come into contact with the treated surfaces. Repeat applications as necessary.

HOUSEHOLD INSECT PESTS - Refer to DILUTION CHART for proper dilution rates.

Cockroaches (Waterbugs, Palmetto Bugs), Ants, Crickets, Silverfish - Make Spot Applications of 1/2% Spray or apply with a paint brush to baseboards, area around water pipes, cracks and crevices, surfaces behind and beneath cabinets, refrigerators, sinks, stoves and similar areas where these insects hide. For heavy cockroach infestations make the first application with the 1% strength solution followed with monthly treatments of the 1/2% spray.

For Carpet Beetles - Apply the 1/2% solution in spot applications along baseboards and edges of carpeting, under carpeting and rugs and furniture, in closets and on shelving and wherever these insects are seen or suspected.

Spiders and Scorpions - Apply the 1/2% solution sprayed around windows, doors and baseboards. Make spot applications to other areas over which these pests may crawl. See paragraph for PREMISE SPRAYING out-of-doors.

## DIRECTIONS FOR USE(Cont.)

## HOUSEHOLD INSECT PESTS(Cont.)

**Pantry Pests** - For Exposed stages of Saw Toothed Grain Beetle, Flour Beetle, Rice Weevil, Cigarette Beetle, Drugstore Beetle, Indian Meal Moth Larvae apply the 1/2% spray solution to shelves and cupboards where food containers suspected of being infested are stored. Remove all food and shelving paper before spraying. Do not replace the food packages until the spray has dried. Cover shelves with shelving paper. This treatment is supplemental to good housekeeping, since it will have no effect on insects breeding in food packages. Infested food packages should be destroyed.

**Brown Dog Ticks in Buildings** - Apply the 1/2% spray solution to infested areas around baseboards, window and door frames, wall cracks, sleeping quarters of household pets and localized areas of floors and floor coverings. Fresh bedding should be place in animal quarters after treatment. DO NOT TREAT ANIMALS WITH THIS PRODUCT. For treatment of pets select a suitable, EPA approved product which instructs the use of the product on pets.

**ORNAMENTAL INSECTS:** To control certain insects on ornamentals, such as Arborvitae, Azalea, Birch, Boxwood, Camelia, Carnation, Geranium, Dogwood, Elm, Gladiolus, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Plum, Poplar, Rhododendron, Rose, and Zinnia, since injury to the plants may occur.

Insects	Amount Diazinon 4E Insecticide to use	
	per 3 Gallons Water	per 100 Gallons Water
Aphids, Bagworms, Carnation Bud Mites, Carnation Root Mites, Clover Mites, Cyclamen Mites, Diptera Leaf Miners, European Pine Shoot Moths, European Red Mites, Flea Beetles, Holly Bud Moths, Leafhoppers, Obscure Root Weevils, Omnivorous Leaf Tiers, Privet Mites, Sawflies (Cottony-Cushion, Lecanum, Pine Needle, San Jose, Soft Scale), Two-Spotted Mites, Webworms, Whiteflies	1/2 fluid ounce (1 tablespoon)	1 pint (16 fluid ounces)
Apple and Thorn Skeletonizers, Conionester Webworms, Fall Webworms, Hemlock Chenemes, Oak Looper, Oblique-Banded Leaf Roller, Pear Slug, Tent Caterpillars	1 1/2 fluid ounces (3 tablespoons)	3 pints (48 fluid ounces)

Milnes Webworms: Mix 1/2 fluid ounce (1 tablespoon) in 3 gallons water for 1 pint in 100 gallons water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

**LAWN INSECTS:** To control insects listed below, apply recommended rates. For insects such as Ants, Brown Dog Ticks, Clover Mites, Crickets, Earwigs, Fleas, Millipedes, Sowbugs, and Collembola (Springtails), which are commonly found near the house and may enter the house, spray a 6-foot band of soil around the house, as well as the house foundation well to a height of 2-3 feet. Repeat application if necessary.

Insects	Rate per 1000 square feet		Remarks
	Diazinon 4E Insecticide	Water	
Lawn Chinch Bugs	2-3 fluid ounces or 3-6 fluid ounces	26 gallons*	Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine.
Ants, Armyworms, Clover Mites, Collembola (Springtails), Crickets, Cutworms, Digger Wasps, Earwigs, Frit Flies, Lawn Billbugs, Sod Webworms, Sowbugs, and Sowbugs	4 fluid ounces	3 gallons	Spot spray ant hills and wasp ground nest openings. For lawn billbugs, irrigate the lawn thoroughly immediately after treatment. For frit flies, mow grass and water well before treatment but delay application until grass is dry. Do not water again until necessary.
Brown Dog Ticks, Bermuda Mites, Fleas, Leafhoppers, Ticks	1 1/2 fluid ounces	3 gallons	Do not apply to animals. For brown dog ticks spray grass and under shrubbery, particularly near houses.
Earwigs	8 fluid ounces	3 gallons	
Rhino-grass Bees	5 fluid ounces	26 gallons*	Apply when grasses first emerge.

\*Alternatively, make applications in 3 gallons of water per 1000 square feet and thoroughly water immediately following application. Sowbugs: Spray bugs outside the house with 1 1/2 fluid ounces (2 1/2 tablespoons) in 1 gallon of water. At the same time, spray thoroughly around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

**IMPORTED FIRE ANT CONTROL** - To aid in the control of the Imported Fire Ant in lawns and other recreation areas apply 1/2 Fl.Oz. (1 tablespoonful) in a minimum of 1 gallon of water as a drench gently sprinkled over each mound using a sprinkler can. Thoroughly wet the mound and surrounding area to a 4 ft. diameter (12 Sq.Ft.). For best results apply in cool weather, 65°- 80° F, or in early morning or late evening hours. Treat new mounds as they may appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness. Reapply as necessary.

**PREMISE SPRAYING (Out-Of Doors)** - To prevent infestations of buildings by Ants, Crickets, Earwigs, Millipedes, and Sowbugs (Pillbugs), Spiders and Scorpions treat a band of soil 6 to 10 feet wide around and adjacent to buildings, also building foundations to a height of 2 to 3 feet, where pests are active and may find entrance. Mix at the 1% strength solution and apply as a coarse spray at the rate of about 10 gallons spray mixture per 1,000 Sq.Ft. to thoroughly and uniformly wet the band area. Repeat as needed for control.

**NOTICE**-Buyer assumes all risk and liability of use, storage and/or handling not in accordance with the terms of this label.