

NOV 30 1988

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

Subject: Amendments - Change Product Name,
Delete nematode control use & claims,
Reduce application rates,
Revise avian precautions, and
Declare solvent as an inert ingredient
Sarolex Insecticide (new name)
EPA Reg. No. 100-474
Your submission dated November 14, 1988

Dear Ms. Bussey:

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

1) The active ingredient should be declared as follows:

Diazinon (O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate)

2) Revise the solvent footnote to: "Contains xylene range aromatic solvent". It is assumed that you have not changed solvents from that previously declared.

3) Add "Recommended for Commercial Use Only" to the top of the front panel.

4) In the directions for use on digger wasps, add "Make the application at dusk when the wasps are not active." to the "Remarks" column.

5) Revise the first two sentences of the "Environmental Hazards" to read:

This product is toxic to birds, fish, and wildlife including waterfowl. Birds, including waterfowl, feeding on treated areas may be killed.

7) Delete "Repeat until vomit fluid is clear" from the "If swallowed" advice in the "Statement of Practical Treatment". As noted in your current text, the solvent may present an aspiration hazard, repeating the vomiting procedure would potentially increase that risk. Also, revise the last sentence of that same section to read: "Do not induce vomiting or give anything by mouth if person is unconscious or convulsing."

8) Add a "Note to Physician" to read as follows:

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. Product contains xylene range aromatic solvent, which may present an aspiration hazard. Gastric lavage may be indicated if product was taken internally.

A stamped copy of the label is enclosed for your records. Please submit five (5) copies of the revised amended label prior to release for shipment.

Sincerely yours,

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

Sarolex[®]

ACCEPTED
with COMMENTS
in EPA Label Draft

NOV 30 1988

Insecticide

For the control of insect
pests of turf and lawns

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

KEEP OUT OF REACH OF CHILDREN.

WARNING

See additional Precautionary
Statements on back of container.

Sarolex kills:

- Ants
- Armyworms
- Clover Mites
- Collembola
- Crickets
- Cutworms
- Digger Wasps
- Earwigs
- Lawn Billbugs
- Sod Webworms
- Sowbugs
- Mole Crickets
- Brown Dog Ticks
- Bermuda Mites
- Chiggers
- Fleas
- Leafhoppers
- Millipedes
- Rhodesgrass Scale

DO NOT USE INSIDE THE HOME

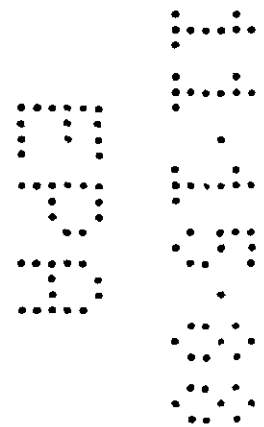
See directions for use

Active Ingredients:

Diazinon: O,O-diethyl O-(2-isopropyl-6-	
methyl-4-pyrimidin-yl) phosphorothioate	47.5%
Inert Ingredients:*	52.5%
Total:	100.0%

*Contains xylene.

One Gallon
U.S. Standard Measure



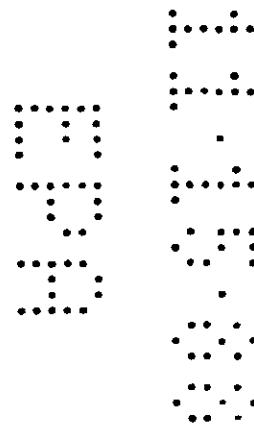
DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

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

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 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.



Directions for Use

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

Do not use inside the home.

Do not apply this product through any type of irrigation system.

Turf and Lawn Pests

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 treatments), water lawn with at least 0.25 inch water immediately after application, however, stop watering before puddling occurs.

Insects	Rate per 1,000 sq. ft.		Remarks
	Sarolex	Water	
Lawn Chinch Bugs	2-3 fl. oz.*	3 gals.	Use higher rate for longer residual control and in lawns of dense growth, such as St. Augustine lawns.
Ants Armyworms Clover Mites Collembola (Springtails) Crickets Cutworms Digger Wasps Earwigs Lawn Billbugs Sod Webworms (Lawn Moths) Sowbugs	3 fl. oz.*	3 gals.	Spot spray ant hills and wasp ground nest openings. For lawn billbugs, irrigate the lawn thoroughly immediately after treatment.

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Mole Crickets	3 fl. oz.**	3 gals.	Irrigate thoroughly immediately after treatment with 1/2 inch rainfall equivalent.
Brown Dog Ticks Bermuda Mites Chiggers Fleas Leafhoppers	1 1/4 fl. oz.*	3 gals.	Note: Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
Millipedes	3 fl. oz.*	3 gals.	
Rhodesgrass Scapes	3 fl. oz.*	25 gals.	Apply when crawlers emerge.

*1 fl. oz. = 2 tbs. 16 fl. oz. = 1 pt.

**1 gal./acre in 120 gals. water.

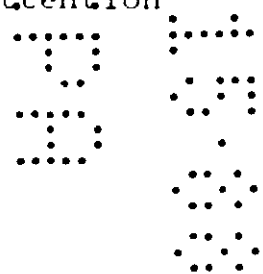
NOTE: For use on turf and lawns only. Foliage applications to other plants may cause injury. Do not graze livestock in treated areas.

Statement of Practical Treatment

If swallowed: Call a physician or poison control center immediately. DO NOT INDUCE VOMITING UNLESS NO OTHER TREATMENT IS AVAILABLE. Vomiting may cause aspiration pneumonia. If possible, vomiting should be induced under medical supervision. 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 in eyes: Flush with plenty of water for at least 15 minutes and get medical attention immediately.

If on skin: Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse. If symptoms appear, get medical attention immediately.



If inhaled: Remove victim from contaminated area. Apply artificial respiration if needed and get medical assistance.

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear safety glasses. May be fatal if swallowed. Avoid contact with skin. Wash thoroughly with soap and water after handling and before eating or smoking. Avoid breathing spray mist. Avoid contamination of feed and food-stuffs. Do not use on household pets or humans. Do not permit children or pets to go onto treated areas until spray has dried or material has been watered in and grass has dried.

Keep out of reach of domestic animals.

Environmental Hazards

This product is toxic to fish, birds, and other wildlife. Birds feeding on treated areas may be killed. Do not apply directly to water. 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 this label. Do not apply where fish, shrimp, crab, and other aquatic life are important resources. Do not apply when weather conditions favor drift from treated area. This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated areas. Do not apply when bees are actively visiting vegetation blooming in the treatment area. Applications should be timed to provide maximum possible interval between treatment and the next period of bee activity. 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. Apply this product only as specified on this label.

Physical or Chemical Hazards

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

