

AUG 26 1988

301 / 229938
17 2

Mr. Robert C. Harnden
Riverside/Terra Corporation
P.O. Box 171376
Memphis, TN 38187-1376

Dear Mr. Harnden:

Subject: Amendment - Revised Labeling
Diazinon 4 EP
EPA Registration No. 9779-212
Your Application Dated August 8, 1988

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

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

Enclosure

53138:I:LeMaster:LR-8:KENCO:8/24/88:10/5/88:CL:ek:rw

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

ACCEPTED
with COMMENTS
in EPA Letter Dated:

2 of 7

AUG 26 1989

FOR USE BY PEST CONTROL OPERATORS

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. **THIS PRODUCT MUST NOT BE USED ON GOLF COURSES AND SOD FARMS**

DIAZINON 4EP

9779-212

ACTIVE INGREDIENT

Diazinon [O,O-diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate*]..... 47.6%

INERT INGREDIENTS**..... 52.4%

Total 100.0%

*Product Contains 4 Pounds of Diazinon per Gallon.

**Product Contains 30.3% Aromatic Petroleum Solvent.

STOP-READ LABEL BEFORE USING.

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

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

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. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person.

IF IN EYES: Rinse eyes with water and call a physician immediately.

IF ON SKIN: Wash promptly with soap and water. Rinse thoroughly.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

NOTE TO PHYSICIAN: Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally. Diazinon 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.

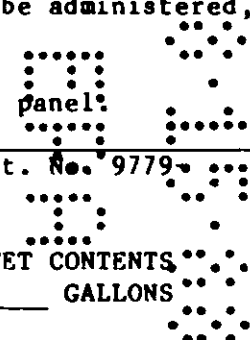
See additional PRECAUTIONARY STATEMENTS on side panel.

EPA Reg. No. 9779-212

EPA Est. No. 9779

Manufactured For
RIVERSIDE/TERRA CORPORATION
Terra Centre, 600 Fourth Street, Sioux City, Iowa 51101
Riverside Serves Agriculture. Agriculture Serves Everyone.

NET CONTENTS
GALLONS



PRECAUTIONARY STATEMENTS
WARNING
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May be fatal if swallowed. May be absorbed through skin. Do not breathe vapors or spray mist. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Keep out of reach of domestic animals. Do not use on humans, household pets, or livestock. Do not permit children or pets to go onto sprayed areas until spray has completely dried.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Cover aquariums. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

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

DIRECTIONS FOR USE

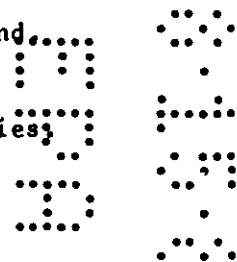
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL
DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.
OPEN DUMPING IS PROHIBITED

STORAGE

Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool dry place away from any ignition or heat source. Move container by handle on top of can. Do not move container from one area to another unless it is securely sealed. Keep container tightly sealed when not in use. Avoid storage near water, food, feed and fertilizers to avoid contamination. Store in original container only. If the contents are leaking or material is spilled, follow these steps while using appropriate safety equipment.

1. Absorb the spill with an inert material such as sand.....
2. Wash area of spill with soap and water.
3. Rinse the washed area with clean water.
4. Do not allow run off to enter sewer or water supplies;
5. Dispose of waste as indicated below.



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.

GENERAL INFORMATION

Diazinon 4EP is an emulsifiable concentrate containing 4 lbs. of Diazinon per gallon. It is intended for use by pest control operators after dilution with water for the control of those insects listed below. Diazinon 4EP is not intended for use in preparing oil base sprays. Pest control operators who prefer oil base sprays should use Diazinon 4SP.

NOTE: The solvent used in this formulation is a petroleum distillate which may stain certain plastic, rubber, and asphalt materials such as tiles and floor coverings. Do not treat such materials. When used in dwellings, care should be taken to avoid deposits which could be frequently contacted by children. Do not allow children in treated areas until surfaces are dry. Do not contaminate food, food containers, or cooking utensils.

HOUSEHOLD INSECTS*: Dilute Diazinon 4EP with water to make a 1/2% or 1% Diazinon spray and apply as indicated below:

Gals. of Finished Spray	Amount Diazinon 4EP to use for	
	1/2% spray	1% spray
1	1.25 fl. oz.**	2.5 fl. oz.
2	2.5 fl. oz.	5.0 fl. oz.
3	3.75 fl. oz.	7.5 fl. oz.
10	12.5 fl. oz.	25.0 fl. oz. (1.6 pts.)
25	32.0 fl. oz. (2.0 pts.)	64.0 fl. oz. (4.0 pts.)

*Do not use in commercial food preparation areas or in edible product areas of food processing plants.

**2 1/2 tablespoons = 1.25 fl. oz.

Cockroaches (waterbugs), ants and silverfish - Make spot applications of 1/2% Diazinon as a coarse spray or apply with a paint brush to baseboards, areas 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 at a strength of 1% Diazinon, followed by monthly applications of 1/2% Diazinon.

Carpet beetles - Apply a 1/2% Diazinon spray in spot applications along baseboards and edges of carpeting, under carpeting and rugs and furniture, in closets and on shelving and wherever those insects are seen or suspected.

Spiders and scorpions - Apply a 1/2% Diazinon spray around windows, doors and along baseboards. Make spot applications to other areas over which these pests may crawl.

Pantry pests - Exposed stages (saw-toothed grain beetle, confused flour beetle, rice weevil, cigarette beetle, drugstore beetle, Indian-meal moth): Apply a 1/2% spray to shelves and cupboards where food containers suspected of being infected

are stored. Remove all food and shelving paper before spraying. Do not replace the food packages until spray has dried. Cover shelves with shelving paper. This treatment is supplemental to good housekeeping, since it will have no effect on insects breeding within food packages. Infested food packages should be destroyed.

Brown dog ticks in buildings - Make thorough application of 1 1/2% Diazinon spray 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 placed in animal quarters following treatment. Do not treat animals with this formulation.

ORNAMENTAL INSECTS - 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 in the following chart.

Do not use on certain ferns, poinsettia, hibiscus, papaya, pilea, and gardenia, since injury to the plants may occur.

Insects	Amount Diazinon 4EP to use	
	Per 3 Gal. Water	Per 100 Gal. Water
Aphids		
Bagworms		
Carnation bud mites		
Carnation shoot mites		
Clover mites		
Cyclamon mites		
Dipterous leaf miners		
European pine shoot moths		
European red mites		
Flea beetles		
Holly bud moths	1/2 fl. oz.*	1 pint
Leafhoppers		
Obscure root weevils		
Omniverous leaf tiers		
Privet mite		
Scale crawlers, cottony, cushion, lecanum, pine needle		
San Jose soft scales		
Thrips		
Two spotted mites		
Webworms		
Whiteflies		
Apple and thorn skeletonizers		
Cotoneaster webworms		
Hemlock chermes		
Oak loopers	1 1/2 fl. oz.*	3 pints
Oblique banded leaf rollers		
Pear slugs		
Tent caterpillars		

*1 fl. oz. = 2 tbsp.

16 fl. oz = 1 pt.

Mimosa Webworms - Mix $\frac{1}{2}$ fl. oz. (1 tablespoon) in 3 gal. water or 1 pt. in 100 gals. 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 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 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.

Boxelder Bugs - Spray bugs outside the home with $1\frac{1}{2}$ - $2\frac{1}{2}$ fl. oz. ($2\frac{1}{2}$ to 5 tablespoons) in 1 gal. of water. At the same time, spray thoroughly around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

Insects	Rate Per 1,000 Sq. Ft.		Remarks
	Diazinon 4EP	Water	
Lawn chinch bugs	2.3 fl. oz. or 3.6 fl. oz.	25 gals.*	Use higher rate for longer residual control, and in lawns of dense growth, including St. Augustine lawns.
Ants, armyworms, clover mites, collembola (springtails), crickets, cutworms, digger wasps, earwigs, 4 fl. oz. frit flies, lawn billbugs, sod webworms, (lawn moths), sowbugs		3 gals.	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, Bermudagrass mites, chiggers, fleas, leafhoppers,	$1\frac{1}{2}$ fl. oz.	3 gals.	Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
Millipedes	3 fl. oz.	3 gals.	
Rhodesgrass, scales	5 fl. oz.	25 gals.	Apply when crawlers first emerge.

*Alternatively, make applications in 3 gals. of water per 1000 sq. ft. and thoroughly water immediately following application.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller and Buyer assumes the risk of any such use.

