

Reg # 10182-208

PM-14

198

FEB 25 1994

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Mr. S. K. Theodorakis
Zeneca Inc.
Zeneca Ag Products
1800 Concord Pike
Wilmington, DE 19897

Dear Mr. Theodorakis:

Subject: Dyfonate 2-G Insecticide
EPA Registration No. 10182-208
Response to letter dated January 13, 1994
Label Amendment

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is accepted with the following comment:

This labeling does not bear the required Worker Protection statements as outlined in PR Notices 93-7 and 93-11. We note that you have submitted labels in accordance with the instructions in those Notices. The new protective language in those submissions must be incorporated into this label for any shipments released after the deadlines that have been established. You may opt to do so immediately if you are electing the self-verification option, or after acceptance by the special Agency Worker Protection Standard review group. Finished printed labels should be submitted after acceptance by the WPS group and in accordance with their instructions.

A stamped copy is enclosed for your records. Submit one copy of your final printed labeling before you release the product for shipment. If you have any questions about this letter, please contact Beth Edwards at (703) 305-5400 or (703) 305-6600.

Sincerely yours,



Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure

DYFONATE® 2-G
Granular Insecticide

ACTIVE INGREDIENT:

Fonofos	2.0%
O-Ethyl-S-phenyl ethylphosphonodithioate	98.0%
INERT INGREDIENTS:	100.0%
Total	

Contains 2 pounds active ingredient per 100 pounds.

EPA Reg. No. 10182-208
EPA Est. No. 10182-

Net Contents:

ACCEPTED
with COMMENTS
in EPA Letter Dated

KEEP OUT OF REACH OF CHILDREN

CAUTION

FEB 25 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-208

See Side Panel for additional Precautionary Statements

Made in U.S.A.
ZENECA Professional Products
ZENECA Inc.
Wilmington, DE 19897

STATEMENT OF PRACTICAL TREATMENT**FOR PESTICIDE EMERGENCY**

CALL A PHYSICIAN IMMEDIATELY: If a known exposure occurs, or if poisoning is suspected, do not wait for symptoms to develop. Immediately start the procedures given below and simultaneously contact a Poison Control Center, a physician, or the nearest hospital.

Note: Be sure to advise the person contacted that the compound is a cholinesterase inhibitor. Describe the type of exposure, the victim's symptoms, and follow the advice given.

POISON SYMPTOMS: DYFONATE® 2-G granular insecticide is a highly toxic cholinesterase inhibitor. Symptoms of poisoning include headache, blurred vision, weakness, nausea, discomfort in the chest, abdominal cramps, vomiting, diarrhea, salivation, sweating, and pinpoint pupils.

**ALWAYS CALL A PHYSICIAN IN CASE OF SUSPECTED POISONING.
ATROPINE BY INJECTION IS ANTIDOTAL.**

IF SWALLOWED: Immediately give several glasses of water and induce vomiting by placing a finger on the back of the victim's tongue. Give fluids until vomitus is clear. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF ON SKIN: Flush with large amounts of running water for 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse.

IF IN EYES: Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

IF INHALED: Remove to fresh air. If not breathing, clear victim's airway, start mouth-to-mouth artificial respiration.

IF BREATHING IS DIFFICULT, give oxygen, preferably with a physician's advice. Get medical attention immediately.

**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D
(327-8633).**

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC
1-800-424-9300.**

INFORMATION FOR MEDICAL PERSONNEL: Initial measures include removal of secretions, maintenance of a patent airway, and if necessary, artificial respiration. When cyanosis is relieved, atropine by injection is antidotal and may be administered in large therapeutic doses, repeated as necessary to the point of tolerance. If symptoms warrant further treatment, 2-PAM (Protopam Chloride) has shown utility as adjunctive therapy. Never use morphine. Continued absorption of the poison may occur, resulting in fatal relapse after initial improvement; very close supervision of the patient is indicated for at least 48 to 72 hours.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH THE SKIN. RAPIDLY ABSORBED THROUGH THE SKIN. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. AVOID BREATHING OF DUST.

Wear gloves, shoes, goggles and coveralls OR long-sleeved shirt and long pants when handling granules. Wear gloves, shoes and coveralls OR long-sleeved shirt and long pants when making applications.

Wash hands, arms, and face thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing. In case of contact, immediately remove contaminated clothing and wash thoroughly with soap and water.

Do not transport or store DYFONATE 2-G with food or feed intended for human or animal consumption.

DO NOT STORE IN OR AROUND THE HOME.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Birds feeding in treated areas may be killed. Remove or cover granules if spills occur. Runoff from treated areas may be hazardous to fish in neighboring areas. For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. For guidance contact your regional office of the EPA. Apply this product only as specified on the label.

This chemical is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in contamination of groundwater.

In case of spill, isolate the spill.

Hold this package, other cargo and vehicles involved.

**Immediately telephone (24-hour service) for emergency assistance CHEMTREC
1-800-424-9300.**

**CONDITIONS OF SALE
AND LIMITATION OF WARRANTY AND LIABILITY**

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ZENECA or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ZENECA and Seller harmless for any claims relating to such factors.

ZENECA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or ZENECA and Buyer and User assume the risk of any such use. ZENECA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall ZENECA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ZENECA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ZENECA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

ZENECA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty of liability, which may not be modified except by written agreement signed by a duly authorized representative of ZENECA.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

STORAGE: Do not transport or store with any food or feed intended for human or animal consumption..

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment; then dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL USE PRECAUTIONS

- Read all directions before using.
- Do not apply in any manner not specified on this label.
- Grazing treated turf or use of clippings from treated areas for forage or feed is prohibited.

REENTRY

- **Home/Residential Lawns, Sports Fields:** Do not allow people or pets on treated areas for 24 hours or until grass is dry.
- **Industrial/Commercial, ~~Sports Fields~~, Golf Courses and Sod Farms:** Keep people and pets off treatment areas until grass is dry.

APPLICATION DIRECTIONS

DYFONATE 2-G may be used on lawns and professional turf areas to control the insects listed in the table below.

- Do not apply to areas bordering any bodies of water such as lakes, streams, and ponds.
- Do not prewater the area to be treated.
- Remove excess granules from sidewalks and driveways after application and prior to irrigation.
- Do not mow treated turf before irrigation or rainfall.
- Apply 1/8 to 1/2 inches of water following the application.
- Avoid runoff when applying water to treated area.

RATES AND INSECTS CONTROLLED BY DYFONATE 2-G GRANULAR INSECTICIDE

USES	TARGET INSECTS	RATE	COMMENTS
Home Lawns Industrial and Commercial Lawns (Airports, industrial parks, office buildings, manufacturing sites, and cemeteries) Sports Fields Golf Courses Sod Farms	White grub larvae (such as Japanese beetle, black turfgrass ataenius, chafers, <i>Phyllophaga</i> spp., green June beetle, Asiatic garden beetle). Crane fly larvae (leatherjackets) Mole crickets Billbugs	200 lbs/A or 4.6 lbs/1000 sq. ft.	Do not make more than 2 applications per year to keep local infestations under control. Subsurface/slit application equipment may be used. Consult your local turf, State Agricultural Experiment Station, or State Extension Service Specialist for additional control recommendations.
	Chinch bugs Cutworms Earwigs Sod webworms Fire ants (suppression)	100 lbs/A or 2.3 lbs/1000 sq. ft.	For optimum results, irrigate treatment area for 10 to 15 minutes following application (1/8 to 1/4 inches). Do not make more than 2 applications per year to keep local infestations under control. Subsurface/slit application equipment may be used. Consult your local turf, State Agricultural Experiment Station, or State Extension Service Specialist for additional control recommendations.

This product is sold only for uses stated on its label. No expressed or implied license is granted to use or sell this product under any patent in any country except as specified:
Country: United States of America.

DYFONATE® is a trademark of a ZENECA Group Company.

GARDENS (Recommended Nationality)

Use DYFONATE 2-G only on the following vegetables at the rate of application shown.

USE THESE AMOUNTS PER 100 SQ. FT. TO CONTROL				
VEGETABLE	GARDEN SYMPHYLANS	WIREWORMS	CABBAGE MAGGOT	REMARKS
Beans, Snap	1/4 lb.	1/2 lb.	-	Apply just prior to planting or transplanting.
Beans, Lima	1/4 lb.	-	-	
Beets	1/4 lb.	-	1/4 lb.	
Broccoli	1/4 lb.	-	-	
Brussels Sprouts	1/4 lb.	-	-	
Cabbage	1/4 lb.	-	-	
Cauliflower	1/4 lb.	-	-	
Corn	1/4 lb.	1/2 lb.	-	
Potatoes-White	1/4 lb.	1/2 lb.	-	
Potatoes-Sweet	-	1/2 lb.	-	
Radishes	1/4 lb.	-	1/4 lb.	
Tomatoes	1/4 lb.	-	-	
Strawberries	1/4 lb.	-	-	

HOW TO APPLY - Shake from canister or spread with fertilizer spreader uniformly before planting or at the time of planting. Mix into the top 2 to 3 inches of soil with a hand rake or power tiller.