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MAR 11 1994

Mr. S.K. Theodorakis  
Zeneca Inc.  
Zeneca Ag Products  
P.O. Box 751  
Wilmington, DE 19897

Dear Mr. Theodorakis:

Subject: Dyfonate 5-G Granular Insecticide  
EPA Registration No. 10182-209  
Letter dated November 16, 1993

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 comments.

1) The Directions for Use section creates some confusion. Please clarify the Directions for Use by changing the sentences which read "DYFONATE 5G may be used to control insects in professional turf areas. This consists of golf course turf and commercial sod growing areas" to the following:

"DYFONATE 5G may be used to control insects on golf course turf and commercial sod farms only."

2) Submit one copy of your final printed labeling before you release the product for shipment.

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 bearing the amended labeling constitutes acceptance of these conditions.

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

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

**DYFONATE® 5G**  
**Granular Insecticide**

Recommended by ZENECA Inc. For Sale To, and Use by Commercial Applicators  
and Turf Management Personnel Only on Golf Courses and Sod Farm Turf.

**ACTIVE INGREDIENT:**

Fonofos:

O-ethyl s-phenyl ethylphosphonodithioate ..... 5% -

**INERT INGREDIENTS** ..... 95% -

**Total** ..... 100%

Contains 5 pounds active ingredient per 100 pounds.

EPA Reg. No. 10182-209  
EPA Est. No. 10182-

Net Weight

**KEEP OUT OF REACH OF CHILDREN**

**W A R N I N G**

**AVISO**

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

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

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
**MAR 11 1994**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
10182-209

**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 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 advice given.

**POISON SYMPTOMS:** DYFONATE® 5G 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 re-use.

**IF IN EYES:** Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to insure 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 and start mouth-to-mouth artificial respiration. **If Breathing is Difficult,** give oxygen, preferably with a physician's advice. Get medical attention immediately.

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**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.**

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**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.*

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**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING**

**MAY BE FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. RAPIDLY ABSORBED THROUGH THE SKIN. DO NOT GET IN THE EYES, ON SKIN, OR ON CLOTHING. AVOID BREATHING OF DUST.**

Wear rubber gloves, shoes, protective clothing and goggles when handling or applying. Wash hands, arms, and face thoroughly with soap and water after handling and before eating or smoking. 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 5G with any food or feed intended for human or animal consumption.

Do not use or 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.**

**GENERAL USE PRECAUTIONS**

**BEST AVAILABLE COPY**

Read all directions before using.

Do not apply on any crop, or in any manner not specified on this label.

Do not mow treated turf before irrigation or rainfall.

Do not graze treated turf or use clippings from treated areas for forage or feed.

Keep children and pets off treated areas until dry.

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**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.

**BEST AVAILABLE COPY**

**DIRECTIONS FOR USE**

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

**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. Not for use or storage in or around the home.

**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.

Do not allow people or pets on treated area unless grass is dry.

DYFONATE 5G may be used to control insects ~~in professional turf areas. This consists of~~ golf course turf and commercial sod ~~growing areas.~~ The insects controlled and rates are as follows:  
*FARMS ONLY.*

CROP	TARGET INSECT	RATE	COMMENTS
Turfgrass	White grub larvae (such as Japanese beetle, black turfgrass ataenius, chafers, <i>Phyllophaga</i> spp., green June beetle, Asiatic garden beetle).  Mole crickets  Billbugs	80 lb/A  or  1.8 lb/1000 sq. ft.	Irrigate treated area with ¼ to ½ inch of water after application. Avoid runoff. Do not prewater. Repeat as needed 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.

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CROP	TARGET INSECT	RATE	COMMENTS
	Chinch bugs, Cutworms Earwigs, Sod webworms	60-80 lb/A  or  1.5 - 1.8 lb/1000 sq. ft.	For optimum results, irrigate treatment for 10-15 minutes following application.  Repeat as needed to keep local infestation 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 express 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.