

PM

10182-209

File 10F10



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

JAN 14 1994

Andrew A. Davidson  
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ZENECA AG PRODUCTS  
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OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 07/22/93 in Response to PR Notice 93-7  
EPA Reg. No. 10182-209  
DYFONATE 5-G (ALT. CRUSADE 5-G)

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

Send EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with SoyCarna on or after Feb  
contains at least 50% recycled fiber

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
JAN 14 1994

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

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

For use by commercial applicators and turf management personnel only on golf courses and sod farm turf for insect control.

**ACTIVE INGREDIENT:**

|   |       |            |
|---|-------|------------|
| Fonofos:  |       |            |
| <u>O-ethyl-S-phenyl ethylphosphonodithioate</u> | ..... | 5%         |
| <b>INERT INGREDIENTS</b>                        | ..... | <u>95%</u> |
| <b>Total</b>                                    | ..... | 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**

**WARNING**

**AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

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 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:** The active ingredient in DYFONATE® 5G granular insecticide (fonofos) is an organophosphate pesticide that inhibits cholinesterase. 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.*

## 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.

#### Personal Protective Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Shoes plus socks.
- Protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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#### User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
  - Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
  - Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
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## **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. 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.**

**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.**

### DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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

### GENERAL USE PRECAUTIONS

- ~~• 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.

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:

### AGRICULTURAL USE: COMMERCIAL SOD GROWING AREAS (SOD FARMS)

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#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protection equipment (PPE), notification to workers, and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours. The REI is 72 hours in outdoor areas where average rainfall is less than 25 inches a year.

**Exception:** If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls.
- Waterproof gloves.
- Shoes plus socks.
- Protective eyewear.

**Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.**

| TARGET INSECT   | RATE  | COMMENTS   |
|---|---|--|
| White grub larvae (such as Japanese beetle, black turfgrass ataenius, chafers, <i>Phyllophaga</i> spp., green June beetle, Asiatic garden beetle).<br><br>Mole crickets<br><br>Billbugs | 80 lb/A<br><br>or<br><br>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.<br><br>Consult your local turf, State Agricultural Experiment Station or State Extension Service Specialist for additional control recommendations. |
| Chinch bugs, Cutworms<br>Earwigs,<br>Sod webworms   | 60-80 lb/A<br><br>or<br><br>1.5 - 1.8 lb/1000 sq. ft. | For optimum results, irrigate treatment for 10-15 minutes following application.<br><br>Repeat as needed to keep local infestation under control.<br><br>Consult your local turf, State Agricultural Experiment Station or State Extension Service Specialist for additional control recommendations.            |

**NON-AGRICULTURAL USE: GOLF COURSE TURF**

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product are are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

**Keep children and pets off treated area until dry.**

| CROP      | TARGET INSECT  | RATE   | COMMENTS   |
|-----------|--|--|--|
| Turfgrass | White grub larvae<br>(such as Japanese<br>beetle, black<br>turfgrass ataenius,<br>chafers, <i>Phyllophaga</i><br>spp., green June<br>beetle, Asiatic<br>garden beetle).<br><br>Mole crickets<br><br>Billbugs | 80 lb/A<br><br>or<br><br>1.8 lb/1000 sq. ft.             | Irrigate treated area with ¼<br>to ½ inch of water after<br>application. Avoid runoff.<br>Do not prewater. Repeat<br>as needed to keep local<br>infestations under control.<br><br>Consult your local turf,<br>State Agricultural<br>Experiment Station or State<br>Extension Service<br>Specialist for additional<br>control recommendations. |
|           | Chinch bugs,<br>Cutworms<br>Earwigs,<br>Sod webworms   | 60-80 lb/A<br><br>or<br><br>1.5 - 1.8 lb/1000<br>sq. ft. | For optimum results,<br>irrigate treatment for 10-15<br>minutes following<br>application.<br><br>Repeat as needed to keep<br>local infestation under<br>control.<br><br>Consult your local turf,<br>State Agricultural<br>Experiment Station or State<br>Extension Service<br>Specialist for additional<br>control recommendations.            |



**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.

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

**CONDITIONS OF SALE AND LIMITED WARRANTY:**

The Directions for Use of this product are believed to be reliable and should be followed carefully. However, 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 timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, when used in accordance with directions under normal conditions of use. 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 and Buyer and User assume the risk of any such use. **SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.**

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The **EXCLUSIVE REMEDY OF BUYER OR USER** and the **LIMIT OF LIABILITY** of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. **SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.**

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