

PM 16 REGA 10182-135

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RESTRICTED USE PESTICIDE

Due to acute oral toxicity

For retail sale to and use only by Certified Applicators or persons under their direct supervision.

(Stauffer Shield)

DYFONATE • 20-G

Granular Insecticide

ACTIVE INGREDIENT:

O-Ethyl S-phenyl ethylphosphonodithioate* 20.0%

INERT INGREDIENTS: 80.0%

(Contains 20 pounds active ingredient per 100 pounds) 100.0%

*DYFONATE

ACCEPTED

SOIL INSECTICIDE FOR PROTECTION AGAINST CORN ROOTWORM AND OTHER MAJOR PESTS

APR 10 1987

KEEP OUT OF REACH OF CHILDREN

EPA Reg. No. 476-2028

DANGER - POISON

PELIGRO SKULL & CROSSBONES

HAZARDOUS TO LIVESTOCK

PRECAUCION AL USUARIO: SI USADO NO LEE INGLES, NO USE ESTE PRODUCTO HASTA QUE LA ETIQUETA LE HAYA SIDO EXPLICADA AMPLIAMENTE.

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 or call collect, day or night, Stauffer Chemical Company (203) 226-6602 or Chemtrec (800) 424-9300.

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 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

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.

Lb. Net Wt. Kg.

EPA Reg. No. 476-2028 EPA Est. 476-

RS-861107

Made in U.S.A. by STAUFFER CHEMICAL COMPANY Westport, CT. 06881-0850

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.

For skin contact, flush with large amounts of running water for 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before re-use.

For eye contact, 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.

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 adsorption 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.

Do not transport or store DYFONATE 20-G with food or feed intended for human or animal consumption.

IN CASE OF SPILL

ISOLATE the spill.

HOLD this package other cargo and vehicles involved IMMEDIATELY TELEPHONE (24-hour service) for emergency assistance.

800-424-9300

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

SKULL & CROSSBONE D A N G E R - P O I S O N SKULL & CROSSBONE

HAZARDOUS TO LIVESTOCK-DO NOT CONTAMINATE FEED USED FOR LIVESTOCK

POISONOUS 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 a respirator approved by the National Institute for Occupational Safety and Health, (30 CFR Part 11 - Subpart M) for protection against pesticide inhalation.

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 20-G with any food or feed intended for human or animal consumption.

Not for use or storage in or around the home.

REENTRY STATEMENT

- . Do not enter treated areas for 24 hours after application unless appropriate protective clothing is worn.
- . Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.
- . Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.
- . Do not apply or allow to drift to areas occupied by beneficial animals or onto adjoining food, fiber or pasture crops. Do not contaminate food or feed.
- . Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.

When oral warnings are given, warnings shall be given in a language customarily understood by workers and must indicate the specific period of time that treated areas may not be entered without protective clothing. Oral warnings must also include appropriate first aid instructions in case of accidental exposure. These instructions are given in the STATEMENT OF PRACTICAL TREATMENT at the beginning of this label.

Written warnings must include the following information, "WARNING. Area treated with DYFONATE® Agricultural Insecticide on (date of application). Do not enter treated areas for 24 hours after application unless appropriate protective clothing is worn (or other reentry interval if your state has a more restrictive interval for this product). If accidental exposure occurs, follow the instructions below." (Written warnings must include the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label.)

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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 wetlands. Do not contaminate water by cleaning of equipment or disposal of waste. For guidance contact your regional office of the EPA. Apply this product only as specified on the label.

GENERAL PRECAUTIONS

Read all directions before using.

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

Do not rotate with carrots.

INSECTS CONTROLLED

- Black Cutworm (Agrotis ipsilon)*
- Cabbage Maggot (Hylemya brassicae)
- Fall Armyworm (Spodoptera frugiperda)**
- European Corn Borer (Ostrinia nubilalis)
- Garden Symphylan (Scutigera immaculata)
- Granulate Cutworm (Peltia subterranea)
- Lesser Cornstalk Borer (Elasmopalpus lignosellus)
- Maize Billbug (Sphenophorus maidis)
- Seed Corn Beetle (Aconoderus lecontei)
- Seed Corn Maggot (Hylemya cilicrura)
- Southwestern Corn Borer (Diatraea grandiosella)
- Sugarbeet Root Maggot (Tetanops myopaeformis)
- White Grubs (Phyllophaga sp.)

*(Control of light and moderate infestation)

** (Reduction of fall armyworm populations only)

Flea Beetles:

Not on
Printed ---
Label

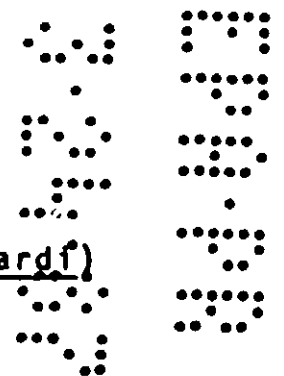
- Elongate Flea beetle (Systema elongata)
- Palestriped Flea Beetle (Systema blanda)
- Sweetpotato Flea Beetle (Chaetocnema confinis)
- Threespotted Flea Beetle (Disonycha triangularis)

Rootworms:

- Northern Corn Rootworm (Diabrotica longicornis)
- Western Corn Rootworm (Diabrotica virgifera)
- Southern Corn Rootworm (Diabrotica undecimpunctata howardi)

Wireworms:

- Corn Wireworm (Melanotus communis)
- Pacific Coast Wireworm (Limonius canus)
- Southern Potato Wireworm (Conoderus falli)



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- Sugarbeet Wireworm (Limonis californicus)
- Tobacco Wireworm (Conoderus vespertinus)
- Western Field Wireworm (Limonis infuscatus)
- Wheat Wireworm (Agriotes mancus)
- Ctenicera lobata
- Dalopius pallidus

DIRECTIONS FOR USE AND RECOMMENDATIONS

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

NOTE: Preplant broadcast applications should be mixed (incorporated) into the soil to a depth of 2 to 3 inches.

COLE CROPS (BROCCOLI, BRUSSELS SPROUTS, CABBAGE AND CAULIFLOWER):

For control of cabbage maggot prior to and at time of seeding or transplanting, apply 20 pounds DYFONATE 20-G per acre, broadcast and incorporate into the soil by discing. Not recommended in the Northwestern U.S.

CORN (Field, Sweet and Popcorn):

NOTE: May be used in corn grown for grain or silage.

A. Band application for control of northern, southern, and western corn rootworms, black cutworm, lesser cornstalk borer, seed corn beetle and seed corn maggot and for suppression of white grubs and wireworms (recommended for seed corn beetle in the central and midwestern corn growing areas only):

Apply the rates recommended in the following table in a 6 to 8 inch band over corn rows 38 to 40 inches apart.

<u>INSECT</u>	<u>RATE PER ACRE</u>	<u>RATE PER 1000 LINEAR FEET</u>
Corn rootworms	3-3/4 to 5 pounds	4-1/2 to 6 ounces
Seed corn beetle		
Seed corn maggot		
White grubs	5 pounds	6 ounces
Wireworms		
Black cutworm*		
Lesser cornstalk borer	10 pounds	12 ounces

*(With heavy infestations, a sufficient number of black cutworm larvae may survive the DYFONATE treatment to cause damage to the corn. If this occurs, an insecticide rescue treatment with another insecticide registered for this use can be made to control these surviving larvae.)

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1. Band Application At Planting: Incorporate into the top 1/2 to 1 inch of soil by making application ahead of press wheels, or by dragging a short length of chain behind the press wheels. Do not apply DYFONATE 20-G in-furrow. Do not place DYFONATE 20-G in direct contact with the seed.

OR

2. Band Application At Cultivation: Cover the treated band with 2 to 3 inches of soil by making application immediately ahead of disc hillers or cultivation equipment. Make application in May or June when activity of rootworm larvae is first observed. Not recommended for control of lesser corn-stalk borer or black cutworm or for suppression of wireworms. Do not apply within 45 days of harvest nor feed or graze livestock within 30 days of treatment.

B. Broadcast application for control of symphylans, northern, southern and western corn rootworms, wireworms and maize billbugs and for suppression of white grubs:

Apply 10 pounds (for symphylans) or 20 pounds (for symphylans, rootworms, white grubs, wireworms and maize billbugs) DYFONATE 20-G per acre, prior to planting and incorporate into the soil by discing. Recommended for billbugs in the southeastern U.S. only.

C. Band or broadcast application for control of European corn borer and southwestern corn borer and to reduce fall armyworm populations:

Apply 5 pounds DYFONATE 20-G per acre over the corn, so granules fall into whorls. May be applied broadcast, using air or ground equipment or in 6 to 8 inch bands over corn rows 30 inches or more apart.

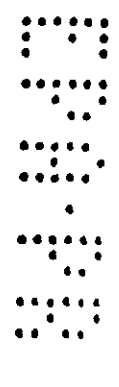
Do not apply within 30 days of harvest nor feed or graze livestock within 30 days of treatment.

1. European corn borer. For field and popcorn make application when 50% of the plants show first generation borer feeding. To control second generation corn borer, apply when field counts show 100 egg masses per 100 plants.

For sweet corn make application when 15% of the plants show borer feeding in the whorl.

2. Southwestern corn borer. Apply when newly hatched larvae first appear. Repeat application as necessary to control later generations.

D. Band application for control of wireworms in sweet corn grown on muck soils (Florida only):



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Based on 36 inch row spacing, apply 10 pounds DYFONATE 20-G per acre in a 2 inch band over the furrows at planting. This is equivalent to 10 pounds DYFONATE 20-G per 14,520 linear feet of row.

PEANUTS:

Southeastern U.S.: For control of southern corn rootworm and granulate cutworm, use 10 pounds DYFONATE 20-G per acre in an 18 inch band on 36 inch rows apply at pegging. For control of lesser cornstalk borer, use 10 pounds DYFONATE 20-G per acre in an 18 inch band on 36 inch rows. Apply at first signs of borer infestation after pegging begins. May be used up to 30 days after pegging begins.

SORGHUM (MILO):

Band application for control of northern, southern and western corn rootworms and lesser cornstalk borer: Apply 5 pounds DYFONATE 20-G per acre (6 ounces per 1000 linear feet of row) in a 6-8 inch band at planting. Incorporate into the soil by making application ahead of press wheels or by dragging a short length of chain behind the press wheels. Do not apply DYFONATE 20-G in furrow. Do not place DYFONATE 20-G in direct contact with the seed.

SUGAR BEETS:

Band application for control of sugar beet root maggots: Apply 5 to 7-1/2 pounds DYFONATE 20-G per acre in a 7 inch band over sugar beet rows 22 or more inches apart. Apply at planting and lightly incorporate into the soil. Do not place DYFONATE 20-G in direct contact with the seed.

SUGARCANE:

For control of the white grub, *Phyllophaga crinata*, apply 20 to 30 pounds DYFONATE 20-G per acre in a 20 inch band on cane rows 60 inches apart. This is equivalent to 2.3 - 3.4 pounds of DYFONATE 20-G per 1,000 linear feet of row. Make application over the top of the cane row and lightly incorporate as close to the plants as possible. For best results, irrigate after application. Application should be timed according to the flight of the adult beetles. Apply at any time from the peak of the adult flight up until two weeks after flight peak. Recommended in the Southwestern U.S., only.

SWEET POTATOES:

Southeastern U.S.: For control of wireworms and flea beetle larvae, apply 20 pounds DYFONATE 20-G per acre, broadcast, at planting and incorporate into the soil by discing, or, apply 15 pounds DYFONATE 20-G over the top at root swelling.

Other Growing Regions: For control of wireworms and flea beetle larvae, apply 20 pounds DYFONATE 20-G per acre, broadcast, at planting and incorporate into the soil by discing, or, over the top at root swelling.

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8STORAGE 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: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, 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.

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.

NOTICE - READ CAREFULLY

CONDITIONS OF SALE: Stauffer (and seller) offer(s) this product for sale subject to, and buyer and all users are deemed to have accepted, the following conditions of sale and warranty which may only be varied by written agreement of a duly authorized representative of Stauffer.

WARRANTY LIMITATION: Stauffer 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 on the label subject to the inherent risks referred to below. Stauffer makes no other express warranties: THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY and there are no warranties which extend beyond the description on the label hereof.

INHERENT RISKS: 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 associated with use. Buyer assumes all risks associated with use or application of this product contrary to label instructions or resulting from extraordinary weather conditions.

LIMITATION OF LIABILITY: In no case shall Stauffer be liable for special, indirect or consequential damages resulting from the use or handling of this product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which such damages are claimed.