

Best Available Copy

476-2134  
12-9-1977



# Dyfonate

Dyfonate per gallon	
Disifluorolime (Dyfonate)	47.3%
Diethyl 3-phenyl ethyl phosphorodithioate	42.1%
Petroleum hydrocarbon solvent	10.6%
<b>INERT INGREDIENTS:</b>	<b>100.0%</b>

# 4-EC

**NOTICE — READ CAREFULLY** — All users are deemed to have accepted the following conditions of sale and warranty by written agreement of a duly authorized representative of Stauffer.

**WARRANTY LIMITATIONS** — Stauffer warrants that this product conforms to the 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 created in connection with the purchase price of the product in respect of which such damages are claimed.

ACCEPTED

476-2134  
DEC 9 1977

UNDER FEDERAL PESTICIDE  
FUNCTION AND LABELING ACT  
FOR ECONOMIC REGISTERED  
ED UNDER NO. 2134

**POISON** Keep Out of Reach of Children

**DANGER** — Additional Precautions, Poison Symptoms, First Aid Treatment, Antidote and information for physician.



**DANGER POISONOUS** IF SWALLOWED, INHALED, OR GASEOUSED (7.57 LITERS) THROUGH THE SKIN. RAPIDLY ABSORBED THROUGH THE SKIN. DO NOT GET IN CONTACT WITH EYES, OR ON CLOTHING. DO NOT OPERATE SPRAY MIST.

WESTPORT, CT 06880

## BEFORE USING—STUDY SAFETY DIRECTIONS

Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11.

Wear rubber gloves, waterproof protective clothing and goggles. 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.

**POISON SYMPTOMS — DYFONATE 4-EC** is a highly toxic cholinesterase inhibitor. Symptoms 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 IS ANTIDOTAL.

**FIRST AID —** If patient has stopped breathing, immediately remove from contaminated area, then start artificial respiration, preferably by mechanical means. **IF SWALLOWED —** Do NOT induce vomiting. Immediately give large quantities of water or milk, if available. If vomiting does occur, give fluids again. Never give anything by mouth to an unconscious person. Call a physician or the nearest poison control center immediately. **IF INHALED —** remove patient from contaminated area. **FOR SKIN —** in case of contact, remove contaminated clothing and immediately wash skin thoroughly with soap and water. Avoid abrading the skin. **FOR EYES —** in case of contact, flush immediately with water for at least 15 minutes.

**INFORMATION FOR PHYSICIAN —** Initial measures include removal of secretions, maintenance of patent airway and, if necessary, artificial respiration. When cyanosis is relieved, atropine may be administered in large therapeutic doses, repeated as necessary to the point of tolerance. If symptoms warrant further treatment, protopam chloride (pralidoxime chloride, 2-PAM chloride) has shown utility as adjunctive therapy.

apy. Never use morphine. Continued absorption of the poison may occur, resulting in a fatal relapse after initial improvement. Very close supervision of the patient is indicated for at least 48 to 72 hours.

## OBSERVE THE FOLLOWING USE PRECAUTIONS

- READ ALL DIRECTIONS BEFORE USING.
- DO NOT APPLY TO ANY CROP, OR IN ANY MANNER NOT SPECIFIED ON THIS LABEL.
- DO NOT ROTATE WITH CARROTS.
- NOT FOR USE OR STORAGE IN OR AROUND THE HOME.
- DO NOT APPLY OR ALLOW TO DRIFT TO AREAS OCCUPIED BY UNPROTECTED HUMANS OR BENEFICIAL ANIMALS OR ONTO ADJOINING FOOD, FIBER OR PASTURE CROPS. DO NOT CONTAMINATE FOOD OR FEED.

THIS PRODUCT IS TOXIC TO FISH, SHRIMP, CRAB, BIRDS, AND OTHER WILDLIFE. BIRDS FEEDING ON TREATED AREAS MAY BE KILLED. KEEP OUT OF LAKES, STREAMS, PONDS, TIDAL MARSHES, AND ESTUARIES. SHRIMP AND CRAB MAY BE KILLED AT APPLICATION RATES RECOMMENDED ON THIS LABEL. DO NOT APPLY WHERE THESE ARE IMPORTANT RESOURCES. DO NOT APPLY WHERE RUNOFF IS LIKELY TO OCCUR. DO NOT APPLY WHERE WEATHER CONDITIONS FAVOR DRIFT FROM AREAS TREATED. DO NOT CONTAMINATE WATER BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTES. APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.

## INSECTS CONTROLLED

- Cabbage Maggot (*Hyalemya brassicae*)
- Corn leaf aphid (*Rhopalosiphum maidis*)
- Garden Symphytan (*Scutigerella immaculata*)
- Onion Maggot (*Hyalemya antiqua*)
- Sorghum greenbug (*Toxoptera graminum*)
- Rootworms:
  - Northern Corn Rootworm (*Diabrotica longicornis*)
  - Western Corn Rootworm (*Diabrotica virgifera*)
- Wireworms:
  - Corn Wireworm (*Melanotus communis*)
  - Pacific Coast Wireworm (*Limonius canus*)
  - Southern Potato Wireworm (*Conoderus fallii*)
  - Sugar Beet Wireworm (*Limonius californicus*)
  - Tobacco Wireworm (*Conoderus vespertinus*)
  - Western Field Wireworm (*Limonius infuscatus*)
  - Wheat Wireworm (*Agriolite mancus*)
  - Ctenicera lobata*
  - Delopis pallidus*

Lot No. \_\_\_\_\_ EPA Est. 476-FL-1



**DANGER**  
PRECAUTIONS CONTINUED

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## DIRECTIONS FOR USE

Application should be made only with tractor mounted spray equipment and by trained personnel only, using approved protective equipment. Pour the recommended amount of DYFONATE 4-EC into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Apply in 20 to 50 gallons of water per broadcast acre using a properly calibrated, low-pressure sprayer having good agitation.

Broadcast applications should be mixed (incorporated) into the soil to a depth of 2 to 3 inches.

## RECOMMENDATIONS

**BEANS (GREEN AND DRY):** For control of garden symphylans and wireworms, apply 2 quarts (for symphylans) or 1 gallon (for symphylans and wireworms) DYFONATE 4-EC per acre, broadcast prior to planting and incorporate into the soil by discing.  
**BEANS, LIMA:** For control of garden symphylans and wireworms, apply 2 quarts (for symphylans) or 1 gallon (for symphylans and wireworms) DYFONATE 4-EC per acre, broadcast, prior to planting and incorporate into the soil by discing. The higher rate is recommended on lima beans grown in California only.

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

**Garden Symphylans:** Prior to or at time of seeding or transplanting, apply 2 quarts DYFONATE 4-EC per acre, broadcast, and incorporate into the soil by discing.

**Cabbage Maggot (Northeastern U.S. only):** For transplant cole crops, use 1 to 2 quarts DYFONATE 4-EC in 200 to 400 gallons of water per acre. Apply with a sprayer equipped with drop nozzles to direct a drenching spray to the base of the plants. Apply immediately after transplanting.

**CORN (FIELD, SWEET, AND POPCORN):**

**A—Band application for control of northern and western corn rootworms —**

Apply, at planting,  $\frac{3}{4}$  to 1 quart DYFONATE 4-EC per acre in a 6 to 8 inch band over corn rows 38 to 40 inches apart. Incorporate into the top  $\frac{1}{2}$  inch to 1 inch of soil by making application ahead of the press wheels or by use of special covering devices or by dragging a short length of chain behind the press wheels.

**B—Broadcast application for control of symphylans and wireworms —**

Apply 2 quarts (for symphylans) or 4 quarts (for symphylans and wireworms) DYFONATE 4-EC per acre prior to planting and incorporate into the soil by discing.

**C—Split boot applications for control of northern and western corn rootworms (recommended in the northcentral and mid-western corn-growing areas only) —**

Apply, at planting, 1 quart DYFONATE 4-EC in 5 to 20 gallons of fluid fertilizer per acre (40 inch row spacing) in subsurface split bands on each side of the corn row,  $\frac{1}{4}$  to  $\frac{1}{2}$  inches to each side of the seed and 1 to 2 inches deep. Do not place DYFONATE 4-EC in direct contact with the seed.

The fluid fertilizer selected must be physically compatible with DYFONATE 4-EC. A compatibility test procedure is available at your Stauffer dealer. Agitation must be maintained during filling and application operations.

**MINT (PEPPERMINT, SPEARMINT):** For control of garden symphylans apply 2 quarts DYFONATE 4-EC per acre broadcast, and incorporate into the soil by discing prior to planting or on established plantings prior to spring growth. (Do not apply Sinbar for at least 3 weeks before or after the DYFONATE application.)

**BULB ONIONS:** For control of onion maggot, apply as a furrow treatment at time of seeding. Based on a 20 inch row spacing, apply at a rate of 1 quart DYFONATE 4-EC per acre (1 quart per 25,109 feet of row;  $\frac{3}{4}$  fluid ounces per 2,510 feet of row;  $\frac{1}{4}$  fluid ounces per 1,000 feet of row). Use on organic soils only (soils containing 10% or more organic matter).

**POTATOES (IRISH):** For control of garden symphylans and wireworms, apply 2 quarts (for symphylans) or 4 quarts (for symphylans and wireworms) DYFONATE 4-EC per acre, broadcast, prior to planting and incorporate into the soil by discing.

**SORGHUM (MILD):** For control of corn leaf aphid and sorghum greenbug, apply  $\frac{3}{4}$  to 1 quart DYFONATE 4-EC in 5 to 30 gallons of water per acre over the top using aerial or ground application equipment. Use only on irrigated sorghum. Do not apply within 60 days of harvest nor feed or graze to livestock within 60 days of application. Limit postemergence use to 2 applications per crop.

**STRAWBERRIES:** For control of symphylans apply 2 quarts DYFONATE 4-EC per acre, broadcast, and incorporate into the soil by discing prior to planting.

**SUGARCANE:** At planting: For wireworm control, apply 4 quarts DYFONATE 4-EC per acre in a 14 inch band on cane rows 60 inches apart. This is equivalent to 11 to 14 $\frac{1}{2}$  fluid ounces of DYFONATE 4-EC per 1,000 linear feet of row. Apply over the top of sugarcane seed pieces immediately ahead of covering discs.

**SUGAR BEETS:** For control of garden symphylans and wireworms, apply 2 quarts (for symphylans) or 1 gallon (for symphylans and wireworms) DYFONATE 4-EC per acre, broadcast, prior to planting and incorporate into the soil by discing.

**TABLE BEETS:** For control of cabbage maggot and garden symphylans, apply 2 quarts DYFONATE 4-EC per acre, broadcast, prior to planting. Incorporate into the soil by discing.

**TOBACCO:** For control of wireworms, apply 1 to 2 quarts DYFONATE 4-EC per acre, broadcast, prior to bedding and transplanting and incorporate into the soil by discing.

**TOMATOES:** For control of garden symphylans, apply 2 quarts DYFONATE 4-EC per acre, broadcast, prior to planting and incorporate into the soil by discing.

**RINSE SPRAY EQUIPMENT — PERFORATE EMPTY METAL CONTAINERS.**

Bury liquid waste and empty container in a safe place, away from water supplies.

**MINIMUM STORAGE TEMPERATURE: MINUS 60° F.** • Do not use, pour, or store near heat or open flame.

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