

476-2134

9-17-73

1 of 4

Dyfonate®

EMULSIFIABLE LIQUID — SOIL INSECTICIDE 4-EC



(contains 4 lbs Dyfonate per gal.)

ACTIVE INGREDIENTS:

O-Ethyl S-phenyl ethylphosphono-
dithioate *..... 47.3 %
Petroleum Hydrocarbon Solvent 42.1 %

INERT INGREDIENTS: 10.6 %
100.0 %

* DYFONATE®

	POISON DANGER	Keep Out of Reach of Children	
POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. RAPIDLY ASSORBED THROUGH THE SKIN. DO NOT GET IN THE EYES, ON SKIN, OR ON CLOTHING. DO NOT BREATHE SPRAY MIST.			
<small>(See left panel for additional precautions, first aid treatment and information for Physician.)</small>			

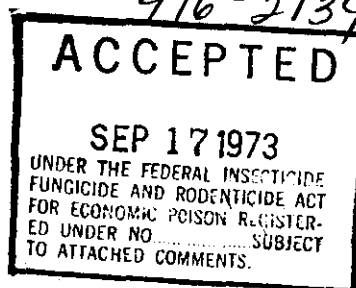
EPA REG. NO. 476-2134

Do not use, pour, spill or store near
heat or open flame

MINIMUM STORAGE TEMPERATURE (-) 40 F.

Made in U. S. A. By

STAUFFER CHEMICAL COMPANY
WESTPORT, CT 06880



2 of 4

BEFORE USING—STUDY SAFETY DIRECTIONS



DANGER PRECAUTIONS CONTINUED

Wear a mask or respirator of a type passed by the U. S. Bureau of Mines for parathion protection.

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.

Do not contaminate feed and food.

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.

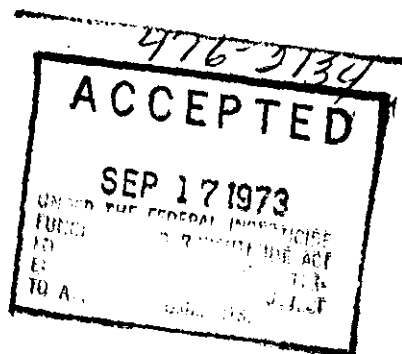
FIRST AID — If patient has stopped breathing, immediately remove from contaminated area, then start artificial respiration, preferably by mechanical means. **IF SWALLOWED** — and patient is conscious, induce vomiting immediately. Give tablespoon of salt in glass of warm water. Repeat until vomit fluid is clear. Never give anything by mouth to unconscious person. Have patient lie down and keep quiet.

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 a 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, pralidoxime chloride (2-PAM chloride) has shown utility as adjunctive therapy. 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.

NOTICE: Stauffer Chemical Company makes no warranty, express or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on Stauffer's label.



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.
- 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 WILL KILL FISH AND WILDLIFE. KEEP OUT OF LAKES, PONDS AND STREAMS. DO NOT CONTAMINATE WATER BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTES. BIRDS FEEDING ON TREATED AREAS MAY BE KILLED.

SOIL INSECTS CONTROLLED

Cabbage Maggot (*Hylemya brassicae*)

Garden Symphylan (*Scutigerella immaculata*)

Onion Maggot (*Hylemya antiqua*)

Rootworms:

Northern Corn Rootworm (*Diabrotica longicornis*)

Southern Corn Rootworm (*Diabrotica undecimpunctata howardi*)

Western Corn Rootworm (*Diabrotica virgifera*)

Wireworms:

Corn Wireworm (*Melanotus communis*)

Pacific Coast Wireworm (*Limonius canus*)

Southern Potato Wireworm (*Conoderus falli*)

Sugar Beet Wireworm (*Limonius californicus*)

Tobacco Wireworm (*Conoderus vespertinus*)

Western Field Wireworm (*Limonius infuscatus*)

Wheat Wireworm (*Agriotes mancus*)

Ctenicera Lobata

Dalopius Pallidus

DIRECTIONS FOR USE

Application should be made only with tractor mounted spray equipment and by approved protective equipment. Pour the recommended amount of DYFONATE 4-EC into a 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.

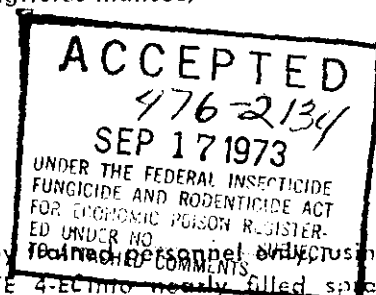
RECOMMENDATIONS

BEANS, GREEN AND DRY (except LIMA BEANS): 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 disking.

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

Broadcast application for control of 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 disking.

Drench application for control of cabbage maggot (Use limited to 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.



11-11

4074

RECOMMENDATIONS Continued

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 $\frac{1}{2}$ 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 application for control of northern and western corn rootworms (recommended in the northcentral and midwestern 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.

The fluid fertilizer selected must be physically compatible with DYFONATE 4-EC. A compatibility test procedure is available at your Stauffer dealer.

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 to mint within 14 days of inbar 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 26,109 feet of row; $3\frac{1}{4}$ fluid ounces per 2,610 feet of row; $1\frac{1}{4}$ 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.

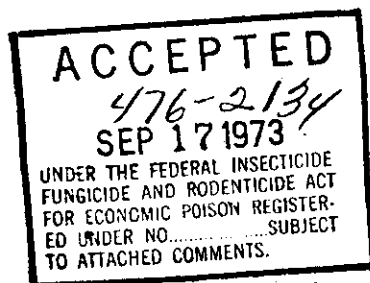
STRAWBERRIES: For control of symphylans apply 2 quarts per acre, broadcast, and incorporate into the soil by discing prior to planting.

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.



RINSE SPRAY EQUIPMENT — PERFORATE EMPTY METAL CONTAINERS

BURY LIQUID WASTE AND EMPTY CONTAINER IN A SAFE PLACE, AWAY FROM WATER SUPPLIES.