



# Dyfonate

**POISON-DANGER**

Keep Out of Reach of Children

Danger! 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. Do not breathe spray mist.

See Back Panel for Additional Precautions, Poison Symptoms, First Aid Statement, Antidote and Information for Physician.

Minimum storage temperature: minus 60° F.

5 GAL NET (19 liters)

**4-E INSECTICIDE  
EMULSIFIABLE LIQUID**

**ACTIVE INGREDIENTS:**

O-ethyl S-phenyl ethylphosphonodithioate\*..... 44.6

Petroleum Hydrocarbon Solvent..... 44.9

**INERT INGREDIENTS:**..... 10.5

100.0%

\*Dyfonate (Contains 4 grams of DDT per gallon) U.S. Patent No. 2,988,474

EPA Reg. No. 476-2066-AA

Made in U.S.A. by STAUFFER CHEMICAL COMPANY  
Westport, CT 06880

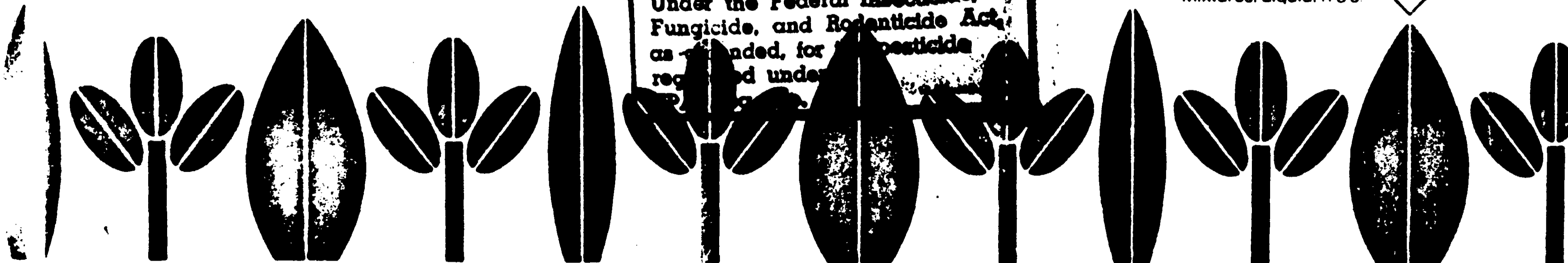
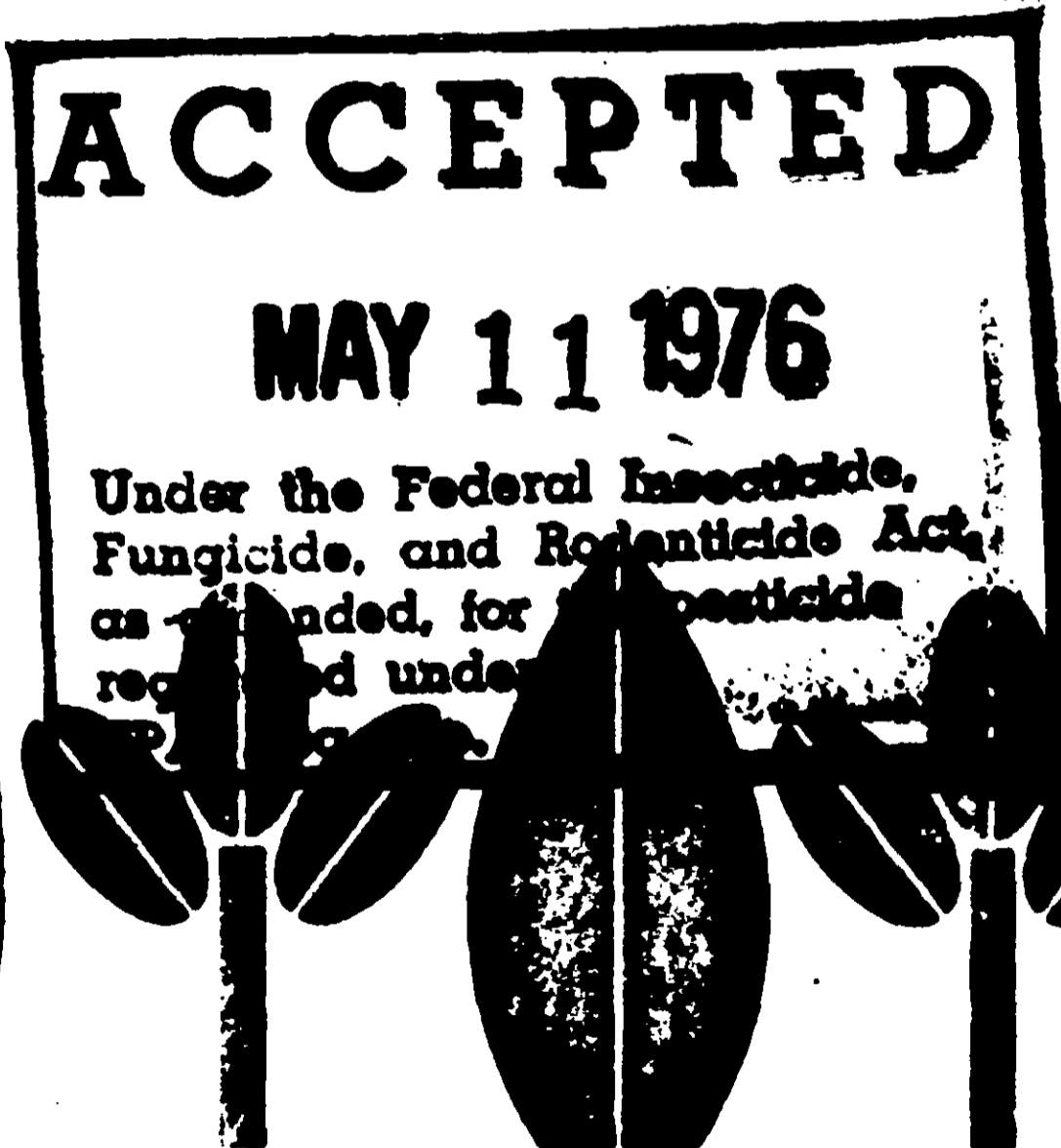
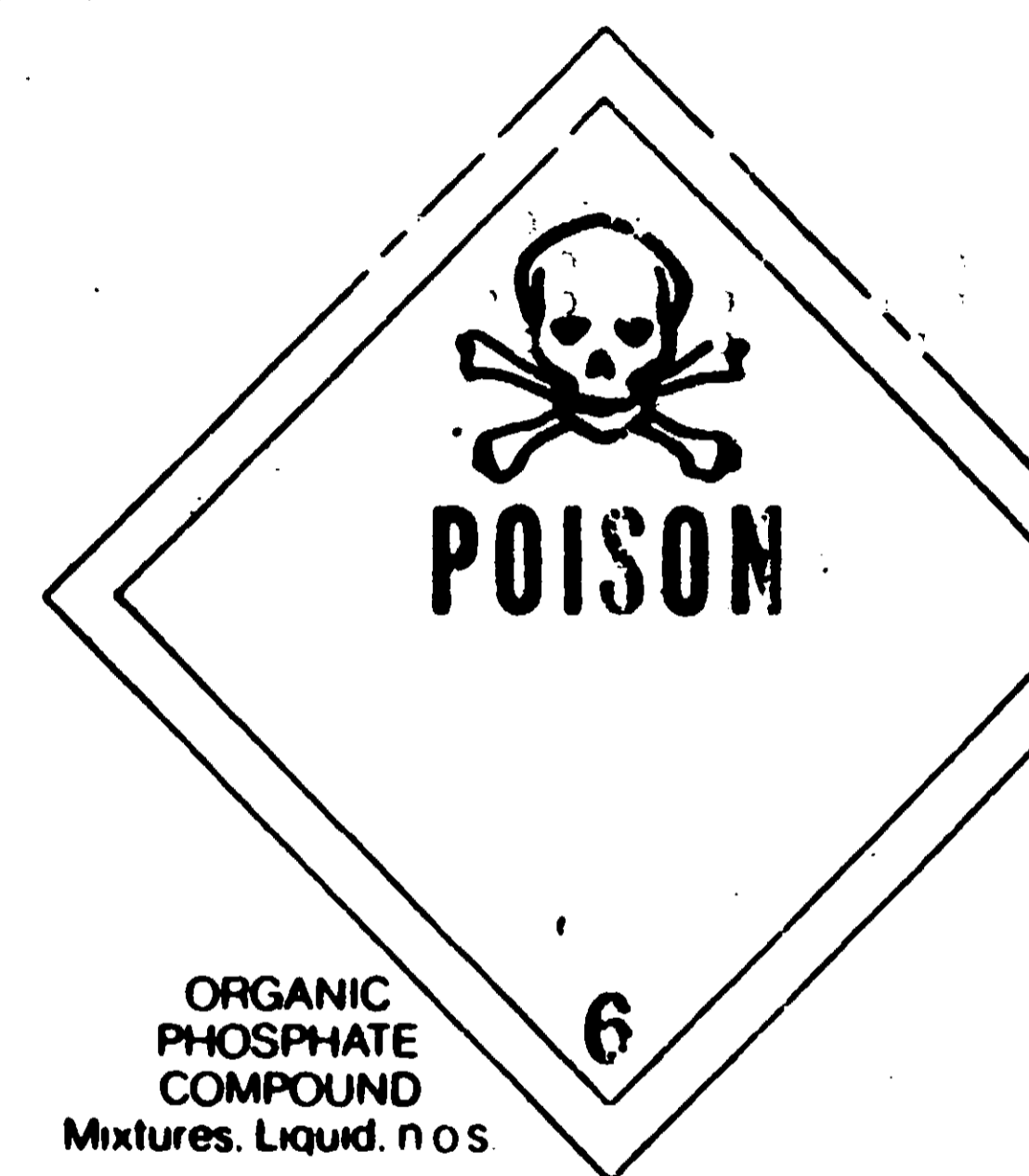
**IN CASE OF SPILL OR LEAK**

ISOLATE the spill.

HOLD the package, other cargo & vehicles involved.

IMMEDIATELY TELEPHONE (24-hour service) for emergency instructions.

300-424-8300

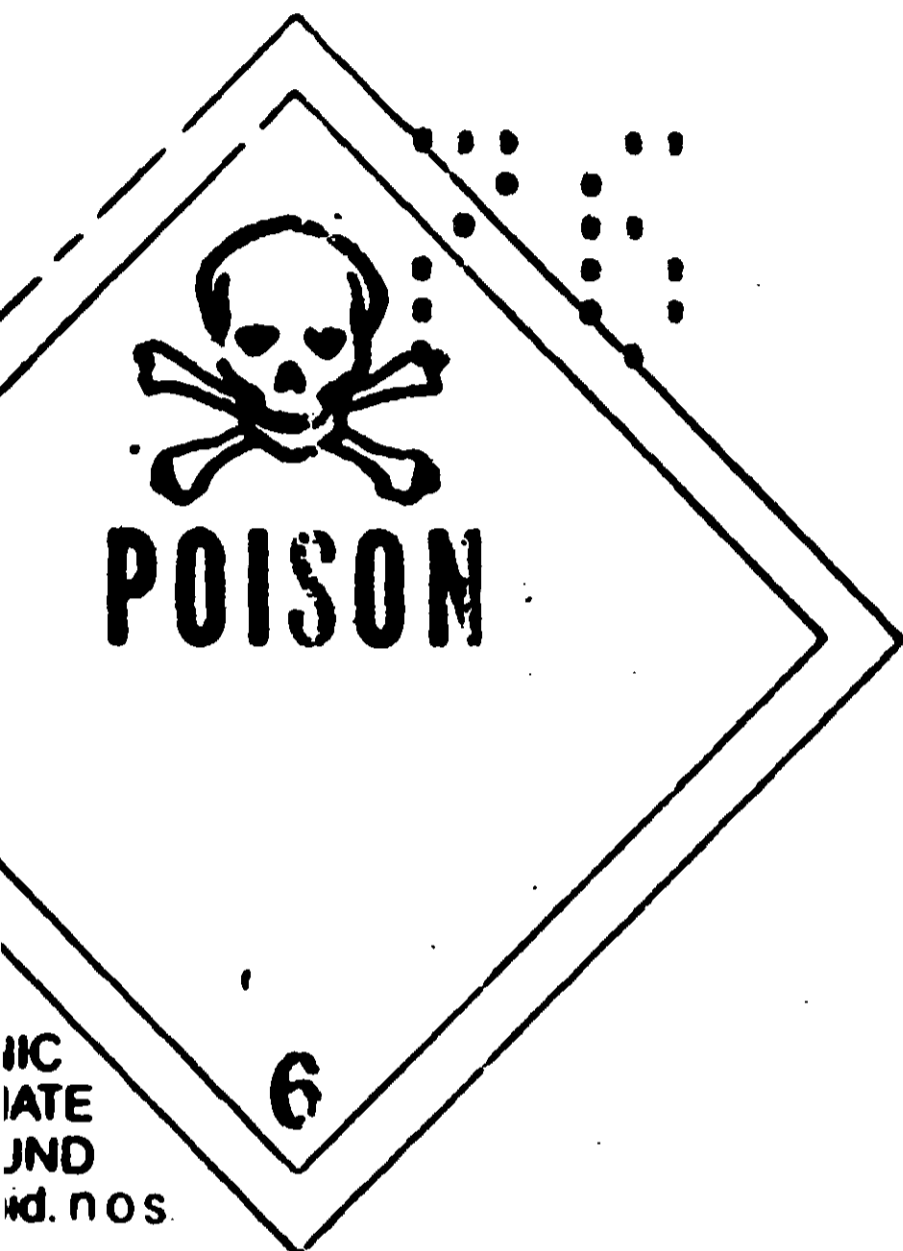


**CASE OF SPILL OR LEAK**

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300-424-8300



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# Dyfonate

## DYFONATE 4-E IMPORTANT

See attached booklet for Use Precautions Directions for Use and Recommendations

Read all precautions and directions before using

Rinse spray equipment Perforate empty metal containers. Bury liquid waste and empty container in a safe place, away from water supplies

### POISON DANGER

Keep Out of Reach of Children

Danger: 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. Do not breathe spray mist.

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

Wear rubber gloves, 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-E 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

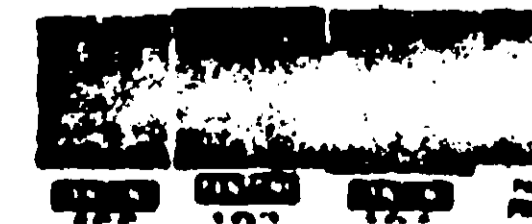
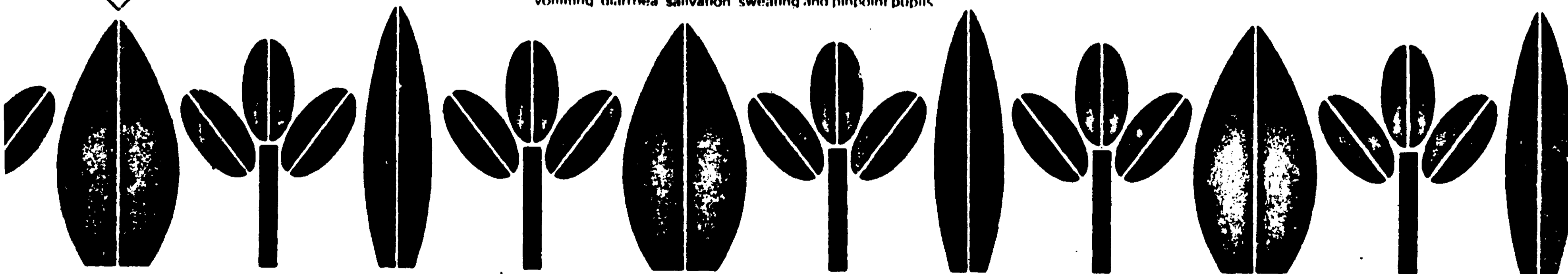
**First Aid:** If patient has stopped breathing, immediately remove from contaminated area, then start artificial respiration, preferably by mechanical means. If swallowed and patient is conscious, induce vomiting immediately. Give tablespoon of salt in glass of warm water. Repeat until vomit fluid is 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 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, prothopam chloride (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.

EPA Est. 476 NB 1

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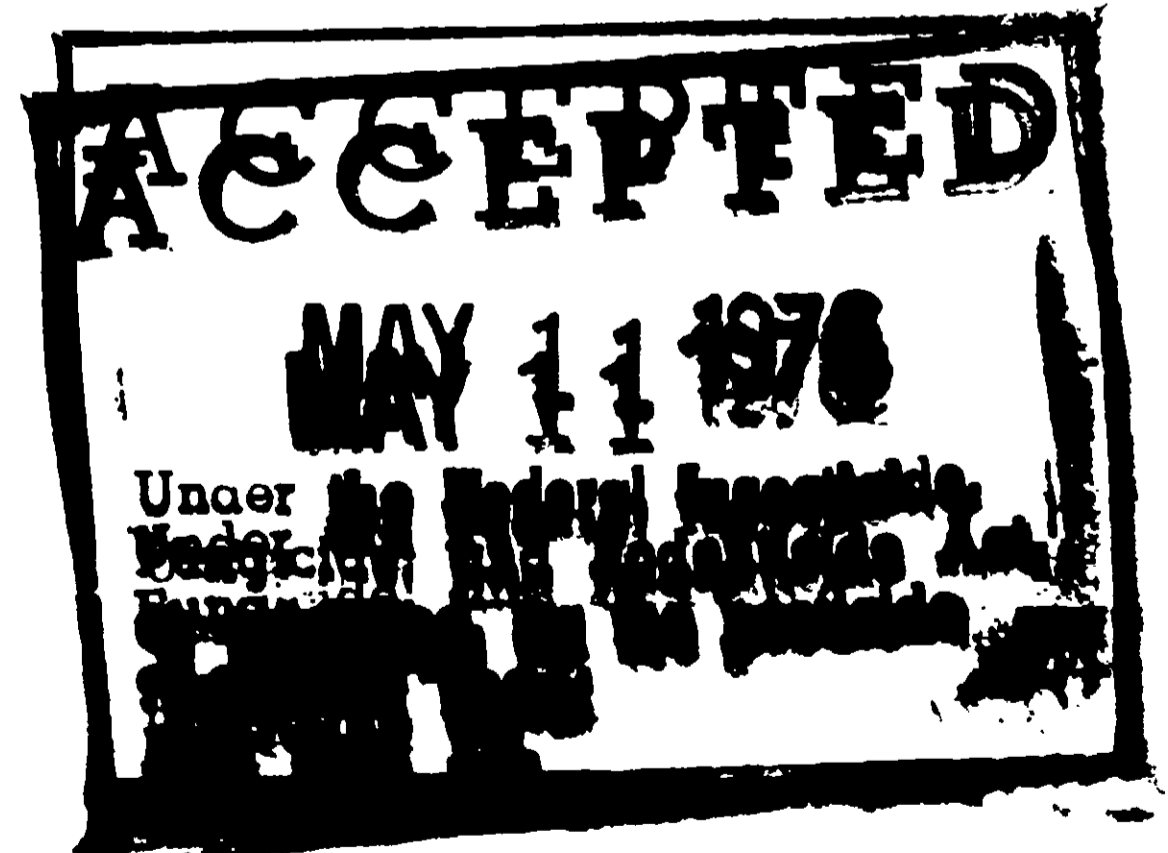
**DYFONATE 4-E**

**EPA REG. NO. 476-2056**

**NEW USE ON SORGHUM**

**SORGHUM (MILO):** For control of eorn leaf aphid and sorghum greenbug, apply  $\frac{3}{4}$  to 1 quart DYFONATE 4-E 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.

4-76



# Dyfonate®

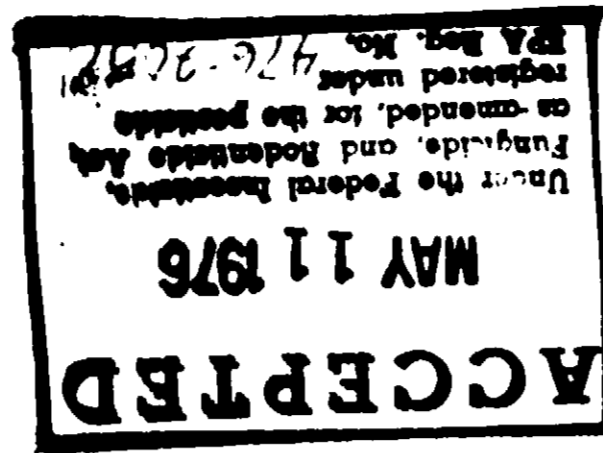
4-E INSECTICIDE - EMULSIFIABLE LIQUID

Complete Directions For Use,  
Use Precautions and  
Recommendations

STAUFFER CHEMICAL COMPANY Westport, CT 06880

EPA Reg No 476-2056-AA

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**CONTENTS** page 1

General Use Precautions	2-5
Insects Controlled	6
Directions for Use of Dyfonate 4-E	7
Recommendations	7-11
Beans	7
Cole Crops	8
Corn	8
Mint	9
Bulb Onions	9
Potatoes (Irish)	10
Strawberries	10
Sugarcane	10
Sugar Beets	10
Table Beets	11
Tobacco	11
Container Disposal	11

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Reach of Children**

Danger. 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. Do not breathe spray mist.

**General use precautions  
Danger**

**Before using...  
study safety directions**

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

Wear rubber gloves, 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.

Minimum storage temperature: minus 60°F.

**Poison symptoms:**

Dyfonate 4-E 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. Atro-  
pine 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, protopam chloride (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.**

**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 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	( <i>Hylemya brassicae</i> )
Garden Symphylan	( <i>Scutigera immaculata</i> )
Onion Maggot	( <i>Hylemya antiqua</i> )
Rootworms:	
Northern Corn Rootworm	( <i>Diabrotica longicornis</i> )
Southern Corn Rootworm	( <i>Diabrotica undecimpunctata howardi</i> )
Western Corn Rootworm	( <i>Diabrotica virgifera</i> )
Wireworms:	
Corn Wireworm	( <i>Melanotus communis</i> )
Pacific Coast Wireworm	( <i>Limonius canus</i> )
Southern Potato Wireworm	( <i>Conoderus falli</i> )
Sugar Beet Wireworm	( <i>Limonius californicus</i> )
Tobacco Wireworm	( <i>Conoderus vespertinus</i> )
Western Field Wireworm	( <i>Limonius intuscatu</i> )
Wheat Wireworm	( <i>Agriotes mancus</i> )
<i>Ctenicera lobata</i>	
<i>Dalopius pallidus</i>	

**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-E 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-E per acre, broadcast prior to planting and incorporate into the soil by discing.

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



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

Broadcast application for control of garden symphyans—Prior to or at time of seeding or transplanting, apply 2 quarts DYFONATE 4-E per acre, broadcast, and incorporate into the soil by discing.

**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-E 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-E 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 symphyans and wireworms:

Apply 2 quarts (for symphyans) or 4

quarts (for symphyans and wireworms) DYFONATE 4-E 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-E 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-E. A compatibility test procedure is available at your Stauffer dealer.

**MINT (PEPPERMINT, SPEARMINT):** For control of garden symphyans apply 2 quarts DYFONATE 4-E per acre, broadcast, and incorporate into the soil by discing prior to planting or on established plantings prior to spring growth. (Do not apply Terbacil for at least 3 weeks before or after the DYFONATE 4-E 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-E per acre (1 quart per 26,109 feet of row;  $\frac{3}{4}$  fluid ounces per 2,610 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-E 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-E per acre in a 14 inch band on cane rows 60 inches apart. This is equivalent to 11 to 14½ fluid ounces of DYFONATE 4-E 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-E 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-E per acre, broadcast, prior to planting. Incorporate into the soil by discing.

**TOBACCO:** For control of wireworms, apply 1 to 2 quarts DYFONATE 4-E 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-E 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.**



These products are also available from your Stauffer Dealer:

**Aspon<sup>®</sup>**  
Insecticide

**Betasan<sup>®</sup>**  
Herbicide

**Captan<sup>®</sup>**  
Fungicide

**Devrinol<sup>®</sup>**  
Herbicide

**Eptam<sup>®</sup>**  
Herbicide

**Eradicane<sup>®</sup>**  
Herbicide

**Folpet<sup>®</sup>**  
Fungicide

**Imidan<sup>®</sup>**  
Insecticide

**Knoxweed<sup>®</sup>**  
Herbicide

**Ordram<sup>®</sup>**  
Herbicide

**Parathion<sup>®</sup>**  
Insecticide

**Methyl Parathion<sup>®</sup>**  
Insecticide

**Prefar<sup>®</sup>**  
Herbicide

**Ro • Neet<sup>®</sup>**  
Herbicide

**Sutan<sup>®</sup>+**  
Herbicide

**Sutan<sup>®</sup>+ / atrazine<sup>®</sup>**  
Herbicide

**Tillam<sup>®</sup>**  
Herbicide

**Trithion<sup>®</sup>**  
Insecticide-Acaricide

**Vapam<sup>®</sup>**  
Soil Fumigant

**Vernam<sup>®</sup>**  
Herbicide