



**DANGER—POISON—PRECAUTIONS**

**CAN KILL YOU IF SWALLOWED**

This product can kill you if swallowed even in small amounts. Spray mist or dust may be fatal if swallowed.



**CAN KILL YOU BY SKIN CONTACT**

This product can kill you if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes).



**CAN KILL YOU IF BREATHED**

This product can kill you if vapors, spray mist or dust are breathed.

**POISONOUS TO FISH AND WILDLIFE**

This product is toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Keep out of any body of water. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur.

Do not contaminate water by cleaning of equipment or disposal of wastes.

**POISONOUS TO BEES**

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

**RESTRICTED USE PESTICIDE**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

**STOP! READ THE LABEL**



**DANGER**  
Keep out of reach of children

**CAN KILL YOU**

ACCEPTED  
JUL 14 1968  
FEDERAL REGISTER  
U.S. DEPARTMENT OF AGRICULTURE  
WASHINGTON, D.C. 20250  
7/14/68  
7/14/68

**PARATHION 8-E**

**ORGANOPHOSPHORUS INSECTICIDE EMULSIFIABLE CONCENTRATE**

<b>ACTIVE INGREDIENTS:</b>	
Parathion (O,O-diethyl O-p-nitrophenyl phosphorothioate)	80.00%
Xylene Range Aromatic Solvent	9.98%
<b>INERT INGREDIENTS:</b>	10.02%
	100.00%

CONTENT TOXICANTS PER GALLON  
8 LBS. ETHYL PARATHION

**DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME**

MANUFACTURED BY  
**SCHALL CHEMICAL INC.**  
Monte Vista, Colorado  
Delta, Colorado

**NOT FOR HOME USE**

**FIRST AID TREATMENT**

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition.

If breathing has stopped, start artificial respiration immediately and maintain until doctor sees you. If swallowed and victim is awake (conscious) him vomit quickly. Induce vomiting by sticking down throat or by giving soapy or strong salty to drink. Repeat until vomit is clear. Never give anything by mouth to an unconscious person. Have lie down and keep quiet. See doctor immediately. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes removing contaminated clothing and shoes. See doctor immediately.

**NOTE TO PHYSICIAN**

Antidote—administer atropine sulfate in large doses: TWO to FOUR mg intravenously or intramuscularly soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2 PAM chloride is also antidotal and may be administered in conjunction with atropine. DO NOT USE MORPHINE OR TRANQUILIZERS. Parathion is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing diaphragm and respiratory depression. At first signs of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and relapses have been reported after initial improvement. VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

**POST TREATED AREA**

Consult your State Agricultural Extension Experiment Station regarding posting treated areas.

**CONTAINER DISPOSAL**

Rinse equipment and containers and dispose of WASTES by burying at least 6 inches deep in non-crop lands away from water supplies. Do not reuse containers; do not perforate and bury with wastes. Do not burn.

**CROP USE DIRECTIONS**

Use only according to attached label instructions.

**USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE EQUIPMENT AND CLOTHING**

(1) Wear water proof pants, coat, hat, rubber boots or rubber overshoes. (2) Wear safety goggles. (3) Wear mask or respirator approved by the U.S. Bureau of Mines for parathion protection. (4) Wear heavy duty natural rubber gloves.

**WORK SAFETY RULES**

Keep all unprotected persons and children away from treated area or where there is danger of drift.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. Call a doctor (physician), clinic or hospital—immediately explain that the victim has been exposed to parathion and describe his condition. After first aid is given (see First Aid Treatment Section) and if a doctor cannot come, take victim to clinic or hospital.

**IMPORTANT!** Before removing gloves, wash them with soap and water. Always wash hands, face and arms with soap and water before smoking, eating or drinking.

**AFTER WORK**, take off all work clothes and shoes. Shower, using soap and water. Wear only clean clothes when leaving job. Do not wear contaminated clothing. Wash protective clothing and protective equipment with soap and water after each use. Respirator should be cleaned and filter replaced according to instructions included with respirator.

**POISON SIGNS (Symptoms)**

Parathion is a very dangerous poison. It rapidly enters the body on contact with all skin surfaces and eyes. Clothing wet with this material must be removed immediately. Exposed persons must receive prompt medical treatment or they may die.

Some of the signs and symptoms of poisoning are: Headache, nausea, vomiting, cramps, weakness, blurred vision, pin point pupils, tightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma.

**BEST DOCUMENT AVAILABLE**

LOT NO. —

**BEST DOCUMENT**

# PESTICIDE

by Certified Applicators  
at supervision and only  
the Certified Applicator's

## THE LABEL



### DANGER

Keep out of reach  
of children

## ALWAYS READ THE LABEL

# ION 8-E

INSECTICIDE  
CONCENTRATE

Orthophenyl	80.00%
o-menthyl	9.98%
o-cymenyl	10.02%
Water	100.00%

PLANTS PER GALLON  
L PARATHION

DO NOT DRINK, SPILL OR STORE  
NEAR OPEN FLAME

PREPARED BY  
CHEMICAL INC.

Denver, Colorado  
Colorado

## HOME USE

### FIRST AID TREATMENT

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition.

If breathing has stopped, start artificial respiration immediately and maintain until doctor sees victim. If swallowed and victim is awake (conscious) make him vomit quickly. Induce vomiting by sticking finger down throat or by giving soapy or strong salty water to drink. Repeat until vomit is clear. Never give anything by mouth to an unconscious person. Have victim lie down and keep quiet. See doctor immediately.

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. See doctor immediately.

### NOTE TO PHYSICIAN

Antidote—administer atropine sulfate in large doses. TWO to FOUR mg intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2 PAM chloride is also antidotal and may be administered in conjunction with atropine. DO NOT GIVE MORPHINE OR TRANQUILIZERS. Parathion is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first sign of pulmonary edema the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvement. VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

### POST TREATED AREA

Consult your State Agricultural Extension Service or Experiment Station regarding posting treated areas.

### CONTAINER DISPOSAL

Rinse equipment and containers and DISPOSE OF WASTES by burying at least 18 inches deep in non-crop lands away from water supplies. Do not reuse container; smash or perforate and bury with wastes. Do not burn.

### CROP USE DIRECTIONS

Use only according to attached label in instructions.

### RECOMMENDATIONS

#### FRUIT CROPS

(Also Read Directions for Use)

Unless otherwise specified, rates are given in terms of Parathion 8-E per 100 gal. of water for thorough coverage application. Unless otherwise specified, apply at the first sign of infestation and repeat at 7-10 day intervals as needed to maintain control. For codling moth, Oriental fruit moth and plum curculio control, apply at petal fall and every 10-14 days thereafter until control is achieved. Observe use limitations given for specific crops. Amounts given in parenthesis at the end of paragraphs are the maximum amounts to be applied per acre.

**APPLES:** Codling moth, European red mite, fruit tree leaf roller, mealybug, orange tortrix, plum curculio, red-banded leaf roller (1st, 2nd and 3rd broods), scales (San Jose, Foxes, scurfy), apply when crawlers are present, two-spotted mite, Use 1/2 pt.

Aphids (frosty apple, green apple, woolly apple), bud moth, Pacific mite, red bug, Schoenii mite and Willow-ette mite. Use 1/5 pt.

**CAUTION:** Injury to fruit and foliage may result from use of this material on McIntosh and related varieties. Do not apply within 14 days of harvest (1% pt.)

**CHERRIES:** Black cherry aphid, eye-spotted bud moth, lesser apple worm, mites, shot-hole borer. Use 1/2 pt. Fruit fly, fruitworm, plum curculio. Use 1/2 pt. For fruit fly control, begin applications at fly emergence and repeat at 7 day intervals. Do not apply within 14 days of harvest (2 pt.)

**PEACHES:** Catering insects, plum curculio, Oriental fruit moth, peach tree borer, make applications during appearance of the moths in early to late summer. Apply 2 or 3 sprays to trunk from ground to scaffold limbs timed with moth flight. San Jose scale. Apply when crawlers are present. Use 1/3 pt. Cottony peach scale, fruit tree leaf roller, green peach aphid, shot-hole borer, spider mites, use 1/5 pt. Lecanium scale (apply after all eggs have hatched). Use 1/3 pt. First coverage spray for control of scale insects. Do not apply within 14 days of harvest. Do not apply more than 2 qt. per acre per application or more than 2 1/2 qt. per acre per year.

**PEARS:** Codling moth, mealybug, pear blister mite, woolly aphid. Use 1/2 pt. in pre-blossom spray. Pear psylla, spider mites. Use 1/5 pt. Make either pre-blossom or pre-blossom sprays for the pear psylla. Do not apply within 14 days of harvest (3 2/3 pt.)

#### VEGETABLE AND FIELD CROPS

**ALFALFA:** Alfalfa Weevil larvae. Areas other than Calif. Spring treatment. Use 3/8 1/2 pt. per acre. Apply to stubble immediately after removal of alfalfa, usually not later than May 25. Do not apply within 15 days of cutting or forage use (4/5 pt.) OR Apply 1/2 pt. per acre in 15-20 gal. water when 75% of terminals show feeding damage. Do not apply within 15 days of cutting or forage use (4/5 pt.)

**ALFALFA, CLOVER, VETCH:** Aphids (including yellow clover aphid), armyworms, blister beetles, grasshoppers. Apply 1/3 pt. per acre. Make no application within 15 days of cutting or forage use (Areas Other Than Calif. 4/5 pt. for alfalfa and vetch 1 1/2 pt. for clover).

**BEANS (Dry and Green):** Aphids, armyworms, leaf hoppers, leaf miner, leaf roller, Mexican bean beetle, spider mites, stinkbugs, whitefly. Use 1/2 pt. (1/2 pt. 7 days of harvest, 4/5 pt. 15 days)

**BEETS:** Aphids, armyworms, blister beetle, flea beetle, leafhopper, leaf miner, webworm. Use 1/2 pt. Do not apply within 15 days of harvest. 21 days if treated tops are to be used for food or feed (4/5 pt.)

**CABBAGE, CAULIFLOWER, BROCCOLI, MUSTARD, TURNIPS:** Aphids, armyworms, cabbage looper, flea beetle, diamond-back moth larvae, imported cabbageworm, serpentine leaf miner, thrips. Rates and Use Limitations: Cabbage, Mustard, Turnips 1/2 pt. 7 days 1/2 pt. - 10 days Cabbage, Broccoli, Cauliflower 1 1/2 pt. 21 days

**CORN:** Armyworms, corn rootworm adults (make full coverage applications to foliage when adult beetles become numerous and repeat as necessary). Use 1/2 pt. European corn borer. Use 1/2 pt. Do not apply within 12 days of picking or cutting for forage (1 pt.)

**CUCUMBER, SQUASH, MELONS:** Aphids, cucumber beetle, climbing cutworms, darkling ground beetle, flea beetle, leafhopper, leaf miner, melonworm, pickleworm, serpentine leaf miner, squash bug, spider mites, petrobia mite, thrips. Use 1/2 pt. Make no applications before plants start to vine or within 15 days of harvest on cucumber and squash, 7 days of harvest on melons (1/2 pt.)

**LETTUCE:** Aphids, leafhoppers. Use 1/2 pt. Do not apply within 7 days of harvest on head lettuce, leaf and bibb lettuce (1/2 pt.)

**ONIONS:** Thrips. Apply 1/2 pt. and repeat at weekly intervals as necessary for control. Do not apply within 15 days of harvest (4/5 pt.)

**PEPPERS:** Aphids, pepper maggot, flea beetle, serpentine leaf miner, thrips. Use 1/2 pt. Do not apply within 15 days of harvest (4/5 pt.)

**POTATOES:** Aphids, armyworms, Colorado potato beetle, flea beetle, green stinkbug, leafhopper, leaf miner, spider mites. Use 1/2 pt. Do not apply within 5 days of harvest (1 pt.)

**SMALL GRAINS (Barley, Oats, Wheat):** Aphids, armyworms, grasshoppers, greenbug. Use 1/2 pt. Do not apply within 15 days of harvest (1 1/2 pt.)

**SUGAR BEETS:** Aphids, armyworms, blister beetle, flea beetle, leafhopper, leaf miner, mites, webworm. Use 1/2 pt. Do not apply within 15 days of harvest (4/5 pt.)

**TOMATOES:** Aphids, flea beetle, leafhopper, serpentine leaf miner, spider mites, stinkbugs, tomato pinworm. Use 1/2 pt. Do not apply within 10 days of harvest (1 pt.)

**DANGER:** Keep all persons out of the operating area or vicinity where there may be danger of drift. Vacated areas should not be re-entered until the drifting insecticides and volatile residues have dissipated.

### WARRANTY AND LIMITATION OF DAMAGES

SELLER warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and BUYER assumes the risk of any use contrary to such directions. SELLER makes no other express or implied warranty, including any other express or implied warranty of FITNESS or MERCHANTABILITY, and no agent of SELLER is authorized to do so except in writing with a specific reference to this warranty. In no event shall SELLER's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

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BEST DOCUMENT AVAILABLE