

NET CONTENTS

GALLONS



DANGER—POISON—PRECAUTIONS



STOP—READ LABEL BEFORE USING!



**POISONOUS IF SWALLOWED**

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



**POISONOUS BY SKIN CONTACT**

Poisonous if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes).



**POISONOUS IF BREATHED**

Breathing vapors, spray mist or dust may be fatal.

**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.

**POISON**

See Side Panels for Antidote & Precautions



**DANGER**

Keep Out of Reach of Children

ACCEPTED  
Apr 10, 1972  
148-33

**METHYL PARATHION E-4**  
4 Lbs. Per Gallon

**ACTIVE INGREDIENTS:**

O,O-dimethyl O-p-nitrophenyl thiophosphate*	44.0%
Xylene Solvent	46.0%
<b>INERT INGREDIENT</b>	10.0%
*Methyl parathion	100.0%

EPA Reg. No 148-373

**NOT FOR HOME USE**

2-72



THOMPSON HAYWARD  
CHEMICAL COMPANY

P.O. BOX 2383 KANSAS CITY, KANSAS 66110

USE C  
PRE

(1) Wear shoes. (2) by the U. heavy dut

Keep all or where t  
Do not rub STOP work or hospital to parathion First Aid victim to water. Al before sm AFTER W soap and wear cont tive equip should be cluded wit

Parathion contact w material ceive pro Some of th vomiting, ness in c of eyes, and coma

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

(1) Wear waterproof 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.

## + 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.

Methyl Parathion is a cholinesterase inhibitor and treatment of severe poisoning should include the use of atropine; Toxaphene produces central nervous system excitation which responds to the barbituric acid derivatives. We would feel that these treatments do not conflict with one another, but that a physician with the information listed above, and especially if he has the information contained in the booklet entitled "Clinical Handbook on Economic Poisons," should be able to treat a patient suffering simultaneously from both M. Parathion and Toxaphene poisoning. This booklet was prepared by the U. S. Department of Health, Education, and Welfare, Public Health Service, Communicable Disease Center, Atlanta, Georgia.

### 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. TREAT SYMPTOMATICALLY.

### POST TREATED AREA

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

**CAUTION:** Misuse as to quantity, timing or method of application can cause damage or injury to animals, persons, property or crops or cause residues in excess of official tolerances.

## DIRECTIONS BEFORE USE READ V STATEMENT

**Methyl Parathion E-4** is an emulsifiable concentrate. Use 4 pounds of parathion to the acre in the control of various agricultural crops.

### MIXING INSTRUCTIONS

Add the recommended amount of water (about one-half the volume of the concentrate) well, then add the remaining water to make the total volume uniform. Continue mixing until the solution is uniform. For general use, dilute with 5 to 15 gallons of water per gallon of concentrate, dilute with 3 to 10 gallons of water per gallon of concentrate for **COTTON INSECTS—BOLL WORM** for each application. In areas where early, pre-square treatment is required, 7- to 10-day intervals, beginning in early June, it is recommended. In areas where late treatment begins, it is recommended after 25% of the crop has begun to open. Resume treatment if insects reappear. **COTTON APHID:** Use 1/2 to 1 gallon of concentrate per acre. Usually as this spray is applied, aphid infestations are reduced and control is improved.

**OTHER COTTON INSECTS:** Use 1 to 2 gallons of concentrate per acre to control of cotton leafworm and other cotton leaf perforators. Required for continued control. **SMALL GRAIN (WHEAT, OATS, BARLEY, RYE, SORGHUM):** Use 1 to 2 gallons of concentrate per acre to control of cotton leafhopper, greenbugs and other Aphids. Treatment should be applied before picking.

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**DIRECTIONS FOR USE**  
BEFORE USE READ WARNING AND NOTICE  
STATEMENTS CAREFULLY

**Methyl Parathion E-4** is an emulsifiable concentrate containing 4 pounds of parathion to the gallon, for use upon dilution as a spray in the control of various insects and mites infesting agricultural crops.

**MIXING INSTRUCTIONS**

Add the recommended amount of Methyl Parathion E-4 to about one-half the volume of water to be used in spraying. Mix well, then add the remaining water and mix until spray mixture is uniform. Continue mixing while spraying. For ground application, dilute with 5 to 15 gallons of water. For airplane application, dilute with 3 to 10 gallons of water.

**COTTON INSECTS—BOLL WEEVIL:** Use  $\frac{1}{2}$  to 1 pint per acre for each application. In areas where weevils are present regularly, pre-square treatment consisting of 2 applications at 7- to 10-day intervals, beginning when cotton first starts fruiting, it is recommended. In midseason, before peak fruiting, begin treatment after 25% of the squares are punctured. Continue spraying at 8-day intervals until control is effective. Resume treatment if insects reappear.

**COTTON APHID:** Use  $\frac{1}{2}$  to 1 pint per acre for each application. Usually as this spray is applied to control other insects, aphid infestations are reduced. Repeat as needed for continued control.

**OTHER COTTON INSECTS:** Use  $\frac{1}{2}$  to 1 pint per acre for the control of cotton leafworm and spider mites, one pint per acre to control cotton leaf perforator. Repeat applications as required for continued control. Do not apply within 5 days of picking.

**SMALL GRAIN (WHEAT, OATS, BARLEY, RYE) INSECTS:** Greenbugs and other Aphids: Use  $\frac{1}{2}$  pint per acre for each application. Treatment should be repeated when reinfestation occurs.

**ALFALFA AND VETCH:** For control of Spotted Alfalfa Aphid apply  $\frac{1}{2}$  to  $\frac{3}{4}$  pint per acre in sufficient water for good coverage. Make no application within 15 days of pasturing or harvest.

**CORN:** To control adult corn rootworm or corn (fodder and grain, including field corn, sweet corn and popcorn) apply  $\frac{1}{2}$  pint per acre. Apply to give uniform coverage, by either ground or air equipment. Repeat as necessary. Workers entering field during day of treatment should wear protective clothing as described under heading "Warning." Do not apply within 12 days of harvest.

**Workers entering fields within 24 hours after application should wear protective clothing.**

**NOTICE:** Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

Do not mix or use in combination with other organic phosphates. Not suitable for use in hand-operated or knapsack-type sprayers. This material must not be used as an insecticide without dilution.

**CAUTION:** 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.

**DESTROY CONTAINER WHEN EMPTY**

Flush out thoroughly with water in some location where flush water can be run off harmlessly. Then punch container full of holes or crush so that it cannot be used again for any purpose. Take to city dump or some other type location where no attempt will be made to salvage for any use whatsoever.