

Code  
31999

**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

# Parathion 1 Thiodan® 2 C.O. EC

## Insecticide

 **DANGER—POISON—  
PRECAUTIONS**



**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**

**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, lightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma.

PA 11/82

EPA Reg. No 279-2652 AA EPA Est., 279-

Active Ingredients	
Parathion	11.05%
Related Compounds	0.55%
Endosulfan	22.40%
Xylene Range Aromatic Solvent	17.00%
Inert Ingredients	49.00%
	<u>100.00%</u>

Contains 1 pound of actual Parathion and 2 pounds of actual Thiodan per gallon.  
\*Thiodan is a registered trademark of Canadian Hoechst Limited

**STOP! READ THE LABEL**



**CAN KILL YOU**

**DANGER**

Keep out of reach of children

**POISON**

See side panels for antidote and precautions

**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 a mask or a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part II (4) Wear heavy duty, natural rubber gloves.

# FMC

FMC Corporation  
Agricultural Chemical Group  
2000 Market Street  
Philadelphia PA 19103

AGGREGATE  
279-2652

# Net Contents Gallons

EPA REG. NO. 279-2652  
PAGE 2 OF 2

## 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.

## 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, drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

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

Since any symptoms from absorption of this combination product are likely to be those of parathion intoxication, treatment should be directed towards the relief of cholinesterase inhibition.

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.**

**FOR EMERGENCY ASSISTANCE CALL  
716-735-3765  
POST TREATED AREA**

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

## ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Birds and other wildlife in treated areas may be killed. Keep out of any body of water. Do not apply where run-off is likely to occur. Do not apply when weather conditions favor drift from the areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

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.

## PHYSICAL OR CHEMICAL HAZARDS

**FLAMMABLE.** Keep away from heat and open flame.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. Pesticide spray mixture or rinsate that cannot be used or cleaned up by the user should be disposed of in a landfill approved for pesticides, or buried in a safe place away from water supplies. Drums may be resealed and offered for reconditioning or for disposal in a safe container (triple rinse for equivalent) and offer for recycling, reconditioning or disposal in an approved landfill or bury in a safe place. Do not cut or weld this container. Consult federal, state or local disposal authorities for approved alternative procedures. Keep container closed when not in use. Remove leaking containers to a safe place. Do not store below 20°F.

Not for use or storage in or around the home.  
Do not use in undiluted form.

Apply when insects first appear and repeat as necessary. Observe use limitations. Observe days interval between last application and harvest indicated by number in ( ) following the crop. Unless otherwise indicated, mix with sufficient water to thoroughly cover one acre. For aircraft application, mix the recommended amount with sufficient water to provide a minimum of 1 gallon of finished spray per acre. For ground applications, apply a minimum of 10 gallons of finished spray per acre.

**Beans, Dry and Succulent (7):** Bean Aphid, Bean Leafskeltonizer, Cucumber Beetle, Green Stink Bug, Mexican Bean Beetle — Use 1 to 2 quarts per acre. Thrips — Use 1/2 quart per acre. Armyworm, Corn Earworm, Cowpea Curculio, Leafhoppers, Leafminers, Leafrollers, Spider Mites, Stink Bugs, Western Bean Cutworm, Whitefly — Use 2 quarts per acre. Do not exceed 3 applications per season. Do not feed treated freshings to livestock or allow livestock to graze in treated fields. Do not use on lima beans as injury may result.

**Broccoli (7), Brussels Sprouts (14), Cabbage (10), Cauliflower (14):** Cabbage Aphids, Cross-Striped Cabbageworm, Diamondback Moth Larvae, Imported Cabbageworm, Thrips — Use 1/2 to 2 quarts per acre. Armyworms, Climbing Cutworms, Cabbage Looper, Harlequin Bug, Flea Beetle — Use 2 quarts per acre.

**Lettuce (Head 14, Leaf 21):** Green Peach Aphid, Imported Cabbageworm — Use 1/2 to 2 quarts per acre. Aphids, Armyworms, Leafhoppers, Leafminers, Cabbage Looper, Diamondback Moth Larvae — Use 2 quarts per acre. Do not exceed 2 applications per season on leaf lettuce. Do not exceed 3 applications after thinning head lettuce. Remove outside leaves at harvest. Do not feed crop waste to livestock.

**Peppers (15):** Flea Beetle, Green Peach Aphid, Hornworms — Use 1 to 2 quarts per acre. Pepper Maggots — Use 1/2 quart per acre.

**Potatoes (5):** Aphids, Armyworms, Colorado Potato Beetle, Leaf-footed Plant Bugs, Potato Flea Beetle, Potato Leafhopper, Whitefly — Use 1 to 2 quarts per acre. European Corn Borer, Green Stink Bug, Potato Psyllid — Use 1/2 to 2 quarts per acre. False Chinch Bug, Potato Tuberworm — Use 2 quarts per acre. Threelined Potato Beetle — Use 1 quart per acre. Do not plant root crops other than carrots, potatoes and sugar beets as follow-up crops.

**Tomatoes (10):** Aphids, Blister Beetle, Colorado Potato Beetle, Flea Beetle, Green Stink Bug, Whitefly — Use 1 quart per acre. Cabbage Looper, Leafhopper, Leafminer, Stink Bugs, Tomato Fruitworm, Tomato Hornworm, Tomato Russet Mite, Yellowstriped Armyworm — Use 2 quarts per acre.

Do not use in a manner or at a time other than in accordance with label directions because animal, plant or crop injury, illegal residues or other undesirable results may occur.

**Dealers Should Sell in Original Packages Only.**

### Terms of Sale or Use

On purchase of this product, buyer and user agree to the following conditions:

### Warranty

FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

**Directions and Recommendations:** Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller and are assumed by buyer at his own risk. Use of Product FMC's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice.

**Damages:** Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

(PA 11/82-31949)

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Ms. Eunice Cuirle  
FMC Corporation  
Agricultural Chemical Group  
2000 Market Street  
Philadelphia, PA 19103

345/83153  
17/4

JRP  
2/1/82

Dear Ms. Cuirle:

Subject: Change Parathion Declaration  
Parathion/Thiodan 2 CU EC  
EPA Registration No. 279-2652  
Your Application Dated November 5, 1982

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you make the following revisions before you release the product for shipment bearing the amended labeling:

1. The chemical names should follow the common names Parathion and Endosulfan as had appeared on previously accepted labeling.
2. Revise the bee precaution to read:

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

3. Revise the Storage and Disposal text per the enclosure.

Please submit five (5) copies of the revised finished labels before you release the product for shipment under the amended labeling.

Sincerely yours,

George T. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767)

Enclosure

TS-767:LAROCCA:DCR-39910:WANJ-2362C:hmw:Raven:479-2013:2/1/83

CONCURRENCES							
SYMBOL ▶							
SURNAME ▶							
DATE ▶							