

# RESTRICTED USE PESTICIDE

Due to very high acute toxicity to humans and birds. For retail sale to and use only by certified applicator or persons under their direct supervision and only for those uses covered by the certified applicator's certification. Direct supervision for this product is defined as the certified applicator being physically present during application, mixing, loading, repair and cleaning of application equipment. Commercial certified applicators must also ensure that all persons involved in these activities are informed of the precautionary statements.



# PARATHION 4 EC PARATHION MIXTURE LIQUID

ACTIVE INGREDIENT:	
Parathion (O,O-diethyl-O-p-nitrophenyl-phosphorothioate) .....	45.7%
INERT INGREDIENTS .....	53.5%
TOTAL .....	100.0%

Contains petroleum distillates.  
CONTAINS 4 LBS. PARATHION PER GALLON

NOT FOR HOME USE

KEEP OUT OF REACH OF CHILDREN

**POISON DANGER**  
**PELIGRO**



PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.



ACCEPTED

CAN KILL YOU IF SWALLOWED	CAN KILL YOU BY SKIN CONTACT	CAN KILL YOU IF BREATHED
This product can kill you if swallowed even in small amounts, spray mist or dust may be fatal if swallowed.	This product can kill you if touched. Undershirt, undershirt, spilled or splashed on skin, in eyes or on clothes. (Liquid spray, insecticide).	This product can kill you if inhaled. Undershirt, undershirt, spilled or splashed on skin, in eyes or on clothes. (Liquid spray, insecticide).

See Below for Additional Precautionary Statements.  
EPA REG. NO. 34704-455 EPA EST. NO. \_\_\_\_\_  
NET CONTENTS \_\_\_\_\_ GALLONS

24200 EXP-1R

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Keep all unprotected persons and children away from treated areas 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 Statement of Practical Treatment Section) and if a doctor cannot come, take victim to clinic or hospital.

**THIS PRODUCT MAY BE FATAL IF SWALLOWED, INHALED, OR IF ALLOWED TO CONTACT SKIN. FAILURE TO PROPERLY FOLLOW ALL INSTRUCTIONS FOR PROTECTIVE CLOTHING AND EQUIPMENT WILL INCREASE YOUR RISK.**

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT DURING MIXING/LOADING, APPLICATION, REPAIR AND CLEANING OF APPLICATION EQUIPMENT, DISPOSAL OF PESTICIDE, AND EARLY REENTRY INTO TREATED FIELDS:

Waterproof pants and coat; heavy-duty chemical-resistant gloves; rubber boots or rubber overshoes; hood or wide brimmed hat; safety goggles or face shield; NIOSH approved respirator. In addition, mixer/loaders must wear a chemical-resistant apron when using the concentrated product. During aerial application in nonenclosed cockpits, a helmet with a visor may be substituted for the hood or wide-brimmed hat and safety goggles or face shield requirements.

MIXING/LOADING IS PERFORMED USING A CLOSED SYSTEM, THE

### FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE:

Heavy-duty chemical-resistant gloves; chemical-resistant apron, long-sleeved shirt (or gauntlets and short sleeve shirt) and long-legged pants, shoes and socks.

Safety goggles or a faceshield must be worn when the system is under pressure. All other protective clothing and equipment required for use with open systems must be available nearby.

IF APPLICATION IS PERFORMED USING AN ENCLOSED CAB OR COCKPIT, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE:

Clean long-sleeved shirt and long-legged pants. All other protective clothing and equipment required for use during application must be available in the cab and must be worn when exiting the cab into treated areas. If used for this purpose, contaminated clothing may not be brought back into the cab unless in an enclosure such as a plastic bag.

REMEMBER— THIS CLOTHING IS NOT INTENDED TO PROTECT YOU DURING REPAIR AND CLEANING OF APPLICATION EQUIPMENT OR DURING EARLY REENTRY! REFER TO THE INSTRUCTIONS ABOVE.

HUMAN FLAGGERS ARE STRICTLY PROHIBITED DURING AERIAL APPLICATION.

IMPORTANT! If pesticide comes in contact with skin, wash off with soap and water, and contact a physician immediately. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

AFTER WORK: Wash gloves with soap and water before removing. Take off all work clothes and shoes. Store protective clothing separately from personal clothing. Launder protective clothing after each use. Shower using soap and water. Wear only clean clothes when leaving job. Do not wear contaminated clothing. Personal clothing worn during mixing/loading, application, repair and cleaning of application equipment, disposal of pesticide, and early reentry into treated fields must be stored and laundered separately from household articles. Clothing and equipment heavily contaminated or drenched with parathion must be destroyed according to state and local regulations.

HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

Respirators should be cleaned and cartridges replaced according to instructions included with respirators. Replace gloves frequently.

### 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.

### STATEMENT OF PRACTICAL TREATMENT

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

If Swallowed: Contact a physician or poison control center immediately. Do not induce vomiting due to aspiration hazards. Gastric lavage is indicated if material is taken internally.

If Inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If On Skin: Remove contaminated clothing and immediately wash skin with plenty of soap and water. Wash clothing prior to reuse. Contact a physician immediately.

If In Eyes: Immediately flush eyes with plenty of water. Contact a physician 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 also 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

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# PARATHION 4 EC

EPA REG. NO. 34704-455

(continued)

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.

## ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish and wildlife. Birds in treated areas may be killed. Do not apply directly to water or wetlands (swamps, marshes, bogs and potholes). Run-off and drift from target areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not contaminate water by cleaning of equipment or disposal of wastes.

This product is extremely toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops or weeds if bees are visiting the treatment area.

## PHYSICAL OR CHEMICAL HAZARDS

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

## DIRECTIONS FOR USE

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

## REENTRY STATEMENT

Reentry into treated fields before expiration of the reentry interval specified on this label is prohibited, unless the protective clothing and equipment specified on this label are used.

Reentry intervals vary among states, field sites and the amount of active ingredient applied per acre. Refer to chart below for proper reentry intervals.

Crop/Field Type	Reentry Interval Days	Lb. Active Per Acre	States
Citrus and Grapes	21	<4	CA, AZ, NV, NM, OK, TX, UT
	35	>4 but <8	CA, AZ, NV, NM, OK, TX, UT
	45	>8	CA, AZ, NV, NM, OK, TX, UT
	5	All rates	All other states
Apples, peaches, corn, olives, tree fruits and tree nuts	8	All rates	All states
Cotton and all other crops	3	All rates	All states

Certain states may require more restrictive reentry intervals for various crops treated with this product. Consult your State Department of Agriculture for specific information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written warnings must include the following information:

### DANGER

(Insert area or field description) treated with Parathion on (insert date of application). Reentry into treated area is prohibited for (insert appropriate time, depending upon crop treated and state, as indicated above) after the end of application, unless all protective clothing and equipment required for early reentry is worn. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition. For further information see the "STATEMENT OF PRACTICAL TREATMENT" portion of the pesticide label.

## STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. Do not store under conditions which might adversely affect the container or its ability to function properly.

**STORAGE:** Do not store below temperature of 35°F. Store in safe manner. Store in original container only. Store in cool, dry place. Keep container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic: Triple rinse (or equivalent). Then offer for recycling

or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## DIRECTIONS FOR DILUTION

**DILUTE APPLICATION:** Ground Application: Apply specified rate in 20 to 80 gallons of water per acre. Orchard Application: Apply specified rate in 100 to 800 gallons of water per acre.

**CONCENTRATE APPLICATION:** Ground Application: Apply specified rate in not less than 5 gallons of water per acre. Orchard Application: Apply specified rate in 20 to 100 gallons of water per acre. Special concentrate equipment is necessary for these uses.

**AIR APPLICATION:** Apply specified rate in 5 to 20 gallons of water per acre. Orchard rates should not be applied in less than 10 gallons of water per acre.

**Caution:** Do not apply more than 2 quarts per acre by air or concentrate application.

**PREPLANT SOIL TREATMENT:** Beans, Beets, Cabbage, Cauliflower, Broccoli, Brussels Sprouts, Corn, Melons, Lettuce, Spinach, Tomatoes, Peppers, Onions and Peas. To control Wireworms, Cutworms, Symphyla and White Grubs. Apply only as a preplant soil treatment. Apply 1 1/2 gallons per acre in not less than 20 gallons of water. Cross disc field immediately after treatment. Keep all persons and animals out of treated fields for 48 hours. Do not contaminate ponds or streams.

**Alfalfa, Clover, Vetch (Seed Crops Only):** Alfalfa Weevil, Aphid, Armyworm, Alfalfa Caterpillar. Apply 1 pint in 20 to 60 gallons of water per acre. Do not apply within 15 days of harvest. Birds and other wildlife in treated areas may be harmed.

**Almonds:** Aphids, Twig Borer, Spider Mites, Scale Insects, Oriental Fruit Moth. Apply 2 to 2 1/2 quarts per acre. Do not apply after hulls open. For Oriental Fruit Moth control apply at petal fall and every 10 to 14 days thereafter until control is achieved.

**Apples:** Aphids, Codling Moth, Bud Moths, Mealybug, Mites, Red-Banded Leafroller, Grasshopper, Orange Tortrix. Apply 4 to 12 pints per acre repeat at 7 to 10 day intervals. For Codling Moth control apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not apply within 14 days of harvest. Do not apply to susceptible varieties.

**Artichoke:** Aphids, Plume Moth. Apply 2 pints per acre. Do not apply within 7 days of harvest.

**Barley:** Corn Leaf Aphids, Fall Armyworm, Grasshopper. Apply 3 pints per acre. Do not apply within 15 days of harvest.

**Beans:** Mexican Bean Beetle, Aphids, Leafminer, Thrips, Leafhopper, Lygus bugs, Pod Borer, Spider Mites, Armyworms, Leafroller. Apply 1/2 to 1 1/2 pints per acre. Do not apply within 15 days of harvest.

**Broccoli, Brussels Sprouts, Cabbage, Cauliflower:** Imported Cabbageworm, Cabbage Looper, Diamond-Back Moth, Armyworm, Flea Beetle. Apply 1/2 to 1 pint per acre. Leaf Miner. Apply 1 pint per acre. Do not apply within 10 days of harvest.

**Carrots:** Aphids, Leafhopper. Apply 1 quart per acre. Do not apply within 15 days of harvest. Wireworms. Apply 5 quarts per acre preplant soil application. Do not use tops for food or feed. Keep all persons and animals out of treated fields for 48 hours. Do not contaminate ponds or streams.

**Celery:** Aphids, Cabbage Looper, Celery Worm, Celery Leaf Tier, Leafhopper, Spider Mites. Apply 1 pint per acre. Do not apply within 21 days of harvest.

**Citrus (Grapefruit, Kumquats, Lemons, Limes, Oranges, Tangelos, Tangerines):** Orange Tortrix, Leafroller, Tussock Moth, Citrus Thrips. Apply 1 to 6 quarts per acre. Scale (Purple, Yellow, Red, Snow, Cottony Cushion, Black), Mealy Bug, White Fly. Apply 5 to 6 quarts per acre. To prevent scarring of lemons or limes apply in late spring, throughout summer and in the early fall. Do not apply within 30 days of harvest.

**Corn, Sorghum:** Aphids, Corn Earworm, European Corn Rorer, Armyworm, Corn Rootworm Adults. Apply 2 pints per acre. Do not apply within 12 days of harvest or cutting for forage. For Corn Earworm control apply to silks as soon as they appear. Make 3 to 4 applications at 2 to 3 day intervals. Reapply immediately after rain.

**Cotton:** False Chinch Bug, Stink Bug, Cabbage Loop, Bollworm, Aphids, Spider Mites, Cotton Leafworm, Leafhopper. Apply 1/2 to 1 pint per acre. Cotton Leaf Perforator, Lygus Bug, Salt Marsh Caterpillar. Apply 1 to 2 pints per acre. Do not apply within 7 days of hand picking or harvest. Workers entering fields within twenty-four hours after application should wear protective clothing.

**Grapes:** Aphids, Spider Mites, Leafhopper, Leaf Folder. Apply 1 to 2 pints per acre. Apply up to 14 days before harvest. Caution: If fruiting may occur on table varieties. Dormant Application: Mealy Bug. Apply 1 to 2 1/2 quarts per acre. Must be applied with 2 gallons of Super 94 (Spray Oil) per 100 gallons of water.

**Cucumbers, Melons, Pumpkins, Squash:** Aphids, Cucumber Beetle, Cutworm, Darkling Ground Beetle, Flea Beetle, Leafhopper, Leafminer, Melonworm, Pickleworm, Squash Bug, Spider Mites, Petiole Mites, Thrips. Apply 1 pint per acre. Do not apply within 7 days of harvest on Melons, 15 days of Squash and Cucumbers, or 10 days on Pumpkins. Make no applications before vining.

**Lettuce:** Aphids, Cabbage Looper, Leafhopper, Armyworm. Apply 1 pint per acre. Do not apply within 7 days of harvest for Head Lettuce or within 21 days of Leaf Lettuce.

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# PARATHION 4 EC

EPA REG. NO. 34704-455

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Onions, Garlic: *Thrips, Aphids, Onion Maggot*. Apply 1 pint per acre. Do not apply within 15 days of harvest.

Peaches, Nectarines: *Fruit Tree Leafroller, Red Spider Mites, Twig Borer, Thrips, Oriental Fruit Moth, Aphids, Scale Insects, Calfacing Insects*. Apply 1 to 2 quarts per acre. For *Oriental Fruit Moth* control apply at petal fall and every 10 to 14 days thereafter until control is achieved. CALIFORNIA: Do not apply within 21 days of harvest. Do not apply more than once after bloom. Do not apply more than 5 pounds actual parathion per acre between January 1 and harvest. AREAS OTHER THAN CALIFORNIA: Do not apply within 14 days of harvest. Do not apply more than 5 pounds actual parathion per year.

Peanut: *Aphids, Leafminer, Pea Moth, Pea Weevil, Thrips*. Apply 1 pint per acre. Do not apply within 10 days of harvest.

Pears: *Pear Blister Mite, Pear Psylla, Mealy Bugs, Woolly Aphids, Codling Moth, Spider Mites*. Apply 2 to 3 quarts per acre. Apply as a pre-blossom spray for *Blister Mite*. For *Codling Moth* control apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not apply within 14 days of harvest.

Peppers, Tomatoes: *Pepper Maggot, Serpentine Leafminer, Leafhopper, Aphids, Corn Earworm, Thrips, Flea Beetle, Armyworm, Grasshopper, Russet Mite Pinworm*. Apply 1 to 2 pints per acre on Tomatoes and 1 to 1 1/2 pints per acre on Peppers. Do not apply within 15 days of harvest on Peppers or within 10 days of harvest on Tomatoes.

Plums, Prunes: *Leafroller, Twig Borer, Thrips, Leafhopper, Oriental Fruit Moth, Red Spider Mites, Aphids, Scale Insects*. Apply 2 to 4 quarts per acre. For *Oriental Fruit Moth* control apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not apply within 14 days of harvest. Full coverage spray for control of scale insects.

Potatoes: *Aphids, Leafhopper, Thrips, Colorado Potato Beetle, Flea Beetle, Armyworm, Serpentine Leaf Miner, Tuber Moth, Grasshopper, Potato Psyllid*. Apply 1 to 2 pints per acre. Do not apply within 5 days of harvest.

Rice (Calif. Only): *Tadpole Shrimp, Rice Leafminer*. Apply 1/2 pint per acre in 100 gallons of water, 5 to 10 gallons of water by air. Restrict water in treated fields for 3 days. Do not spray over laterals or canals. Do not apply for 14 days before or after treatment with propanil herbicide (Stam or Rogue). Do not apply within 1 day of harvest. Shrimp and crab may be killed at application rates recommended on the label. Do not apply where these are important resources.

Safflower: *Aphids, Thrips, Lygus Bug*. Apply 1 pint per acre. Do not apply after flowering.

Spinach: *Aphids, Leafminer, Thrips, Maggot*. Apply 1/2 to 1 pint per acre. *Cabbage Looper*. Apply 1 pint per acre. Do not apply within 14 days of harvest.

Strawberries: *Aphids, Spider Mites, Lygus Bugs, Sprittle Bug, Potato Leafhopper, Strawberry Leafroller, White Flies, Strawberry Root Weevil*. Apply 1 to 1 1/2 pints per acre. Do not apply within 14 days of harvest.

Sugar Beets, Table Beets: *Aphids, Blister Beetle, Flea Beetle, Leafminer, Webworm, Armyworm, Red Spider Mites, Leafhopper*. Apply 1 to 1 1/2 pints per acre. Do not apply within 15 days of harvest or within 21 days if tops are to be used for food or feed.

Walnuts: *Aphids, Red Spider Mites*. Apply 1 to 5 quarts per acre. Repeat 7 to 10 days for *Red Spider Mites, Codling Moth*. Apply 3 to 5 quarts per acre. Do not apply after husks open.

## NOTICE OF WARRANTY

Platte warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of the product. Turf injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Platte. In no case shall Platte be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. Platte makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

FORMULATED FOR  
PLATTE CHEMICAL CO.

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