

RESTRICTED USE PESTICIDE
FOR RETAIL SALE TO AND APPLICATION ONLY BY CERTIFIED APPLICATORS
PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED
BY THE CERTIFIED APPLICATORS CERTIFICATION.



PARATHION 8 AQUAMU[®]

PARATHION MIXTURE, LIQUID

ACTIVE INGREDIENT:

Parathion

Related Compounds

INERT INGREDIENTS:

BY WT.

77.10%

3.6%

19.3%

TOTAL

100.00%

EPA Reg. No. 7001-52-ZA
EPA Est. No. 7001-CA-1

*O,O-diethyl O-p-nitrophenyl phosphorothioate
Contains 8 lbs. parathion per gallon



DANGER!

POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN OR EYES
RAPIDLY ABSORBED THROUGH SKIN!
KEEP OUT OF REACH OF CHILDREN
DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (& DOMESTIC ANIMALS) DANGER

Poisonous if swallowed, inhaled or absorbed through the skin. Rapidly absorbed through the skin or eyes.

Do not get in eyes, on skin or on clothing. Do not breathe the spray mist or vapor.

Workers entering treated fields within 48 hours must wear protective clothing.

Repeated inhalation or skin contact may, without symptoms, progressively increase susceptibility to poisoning.

Clothing wet with this material must be removed immediately.

Exposed persons must receive prompt medical attention or they may die.

Do not contaminate feed and foodstuffs.

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

PHYSICAL OR CHEMICALS HAZARDS

Use Only When Wearing the Following Protective Equipment and Clothing.

Wear clean, heavy duty, natural rubber gloves, waterproof pants, coat, hat, rubber boots, or rubber overshoes and safety goggles when handling, mixing or applying this product. Wear a pesticide respirator (only 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 provisions of 30 CFR Part II).

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Birds and other wildlife in treated areas may be killed. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Apply this product only as specified on this label.

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

WORK SAFETY RULES

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

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

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

WORK: Take off all work clothes and shoes. Shower, using soap and water. Wash clothes when leaving job. Do not wear contaminated clothing. Wash protective clothing and equipment with soap and water after each use. Respirator should be cleaned and filled according to instructions included with respirator.

POISON

POISON

CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING.
FIRST AID PROCEDURES, ANTIDOTES AND PHYSICIAN'S INSTRUCTIONS

POISON SIGNS (Symptoms)

WARNING SYMPTOMS include weakness, headache, tightness in the chest, labored, blurred vision, nausea, abdominal cramps, diarrhea, sweating, vomiting, salivations and pinpoint pupils.

FIRST AID TREATMENT

IF SWALLOWED - Drink 1 or 2 glasses of water and induce vomiting by touching back of tongue. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

INHALATION - Remove victim from contaminated atmosphere.

SKIN - In case of contact immediately remove patient from the vicinity of insecticide. Contaminated clothing and immediately wash skin thoroughly with soap and water.

EYES - In case of contact immediately remove victim from the vicinity of the pesticide. Immediately wash with water.

IF WARNING SYMPTOMS (See above) OCCUR - Keep victim prone and quiet. Stop respiration if victim is not breathing. Transport victim to nearest hospital immediately.

ANTIDOTE: Atropine is the specific antidote for Parathion poisoning. Obtain emergency atropine 1/100 grain tablets from your physician. Keep on hand.

INFORMATION FOR PHYSICIAN

Give 2 to 4 mg. (1/30 to 1/15 grain) of atropine, immediately, preferably by intravenous route. Repeat at 5 to 10 minute intervals until signs of atropinization appear (dry, flushed skin, pupils, rapid pulse). Maintain full atropinization and give 1 mg. (adult dosage) atropine intravenously, slowly to restore normal erythrocyte cholinesterase levels. **DO NOT GIVE OR TRANQUILIZERS.** Parathion is a strong cholinesterase inhibitor affecting the peripheral nervous systems and producing cardiac and respiratory depression. At the pulmonary edema, the patient should be given supplementary oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported. **VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR 48 HOURS.**

Clear chest by postural drainage. Artificial respiration or oxygen administration may be required.

Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged and severe effects. To very small doses of any cholinesterase inhibitor. Allow no further exposure until cholinesterase regeneration has been attained as determined by a blood test.

STORAGE AND DISPOSAL

Pesticide, spray mixture, or rinse water that cannot be used according to label instructions, should be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

Triple rinse for equivalent. Then offer for recycling or reconditioning, or puncture or shred in a sanitary landfill, or by other approved state and local procedures.

DIRECTIONS FOR DILUTION

Dilute Application: Ground Application: Apply specified rate in 20 to 60 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. Concentrate equipment is necessary for these uses.

Air Application: Apply specified rate in 5 to 20 gallons of water per acre. Orchard rates: Apply in less than 10 gallons of water per acre.

Caution: Do not use more than 2 pints per acre when applying by air or concentrate.

DIRECTIONS FOR USE

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

PREPLANT SOIL TREATMENT: Beans, Beets, Cabbage, Cauliflower, Broccoli, Sprouts, Corn, Melons, Lettuce, Spinach, Tomatoes, Peppers, Onions, Peas, Wireworms, Cutworms, Symphylids and White Grub, apply only as a preplant soil treatment. Apply in not less than 20 gallons of water. Cross disc bed immediately after treatment. Keep all persons and animals out of treated fields for 48 hours. Do not contaminate ponds.

BEST DOCUMENT AVAILABLE

WORK SAFETY RULES

Keep persons and children away from treated area where there is danger of drift. Wash hands with soap and water. If you feel sick in any way STOP work and get help right away. Go to a clinic or hospital—immediately. Explain that the victim has been exposed to this condition. After first aid is given (see First Aid Treatment Section) and if a victim is taken to clinic or hospital.

When removing gloves, wash them with soap and water. Always wash hands, face and water before smoking, eating or drinking. Wash off all work clothes and shoes. Shower, using soap and water. Wear only clean work clothes. 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 when included with respirator.

POISON

POISON

IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING.

SEE FIRST AID TREATMENT SECTION FOR FIRST AID TREATMENT.

POISON SIGNS (Symptoms)

POISONING include weakness, headache, tightness in the chest, labored respiration, abdominal cramps, diarrhea, sweating, vomiting, salivations and nonreactive pupils.

FIRST AID TREATMENT

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

Remove victim from contaminated atmosphere.

Contact: Immediately remove patient from the vicinity of insecticides. Remove clothing and immediately wash skin thoroughly with soap and water.

Contact: Immediately remove victim from the vicinity of the pesticide. Flush eyes with water.

POISONING (See above) OCCUR - Keep victim prone and quiet. Start artificial respiration if not breathing. Transport victim to nearest hospital immediately.

There is no specific antidote for Parathion poisoning. Obtain emergency supply of atropine tablets from your physician. Keep on hand.

INFORMATION FOR PHYSICIAN

1 to 1/15 grain of atropine, immediately, preferably by intravenous injection and repeat at intervals until signs of atropinization appear (dry flushed skin, dilated pupils, dry mouth, etc.). Maintain full atropinization and give 1 mg. (adult dosage) Protogan (2-PAM) to restore normal erythrocyte cholinesterase levels. DO NOT GIVE MORPHINE. Parathion is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At the first sign of poisoning the patient should be given supplementary oxygen and treated symptomatically. If the patient may occur and fatal relapses have been reported after initial improvement. CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

Artificial respiration or oxygen administration may be necessary.

Parathion is a strong cholinesterase inhibitor. Without warning, cause prolonged susceptibility to any cholinesterase inhibitor. Allow no further exposure until cholinesterase activity is returned to normal as determined by a blood test.

STORAGE AND DISPOSAL

Do not use or reuse water that cannot be used according to label instructions must be disposed of by Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

Do not offer for recycling or reconditioning, or puncture and dispose of by other approved state and local procedures.

DIRECTIONS FOR DILUTION

Ground Application: Apply specified rate in 20 to 60 gallons of water per acre. Apply specified rate in 100 to 800 gallons of water per acre.

Special Application: Apply specified rate in not less than 5 gallons of water per acre. Apply specified rate in 20 to 100 gallons of water per acre. Special application is necessary for these uses.

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

Do not apply more than 2 pints per acre when applying by air or concentrate spraying.

DIRECTIONS FOR USE

Do not use this product in a manner inconsistent with its labeling.

TREATMENT: Beans, Beets, Cabbage, Cauliflower, Broccoli, Brussels Sprouts, Lettuce, Spinach, Tomatoes, Peppers, Onions, Peas. To control Colorado Potato Beetle and White Grub, apply only as a preplant soil treatment. Apply 1/2 pint per acre in less than 20 gallons of water. Cross disc field immediately after treatment. Keep out of treated fields for 48 hours. Do not contaminate ponds or streams.

Alfalfa, Clover (Seed Crop): Spotted Alfalfa Aphid, Alfalfa Caterpillar, Grasshopper, Armyworm, Lygus Bug. Apply 1/2 pint per acre. Do not apply within 15 days of harvest.

Almonds: Oriental Fruit Moth, Peach Twig Borer, Scale Insects. Apply 2 to 2.5 pints per acre. Full coverage spray. Do not apply after hulls open. Do not apply over 2.5 lbs. actual Parathion per acre.

Apples: Codling Moth, Mealybug, Aphids, Red-Banded Leafroller. Apply 2 to 6 pints per acre. Do not apply within 14 days of harvest. Full coverage spray. Do not apply to susceptible varieties.

Apricots: Scale Insects, Twig Borer, Oriental Fruit Moth, Orange Tortrix, Fruit Tree Leafroller. Apply 2 to 3 pints per acre. For Oriental Fruit Moth control, apply at petal fall, again 10 to 12 days later and third application about June 15. Do not apply within 14 days of harvest. Do not apply until the last danger of bee poisoning has passed.

Artichokes: Plum Moth, Aphids. Apply 1 pint per acre. Do not apply within 7 days of harvest.

Barley: Corn Leaf Aphids, Greenbug, Fall Armyworm, Slink Bug. Apply 1 1/2 pints per acre. Do not apply within 15 days of harvest.

Brussels Sprouts, Broccoli, Cauliflower: Aphids, Cabbage Looper, Diamond-Backed Moth Larvae. Apply 1 pint per acre. Do not apply within 7 days of harvest. 1 pint per acre may be applied if crop is not to be harvested for 21 days.

Cabbage: Aphids, Cabbage Looper, Diamond-Backed Moth Larvae. Apply 1/2 to 1/2 pint per acre. Do not apply within 10 days of harvest.

Carrots: Aphids, Leafhopper. Apply 1 pint per acre. Do not apply within 15 days of harvest. Do not use treated tops for food or feed.

Celery: Aphids, Spider Mite, Leafhopper, Loopers. Apply 1/2 pint per acre. Do not apply within 21 days of harvest.

Citrus (Lemons, Oranges, Grapefruit): Mealybug, Purple, Yellow, Red, Snow and Cottony Cushion Scales, White Fly, Aphids, Black Scale, Orange Tortrix, Tussock Moth, Citrus Thrips. Apply 2 to 10 pints per acre. Do not apply within 30 days of harvest. To prevent scarring of lemons, apply in late spring, throughout summer and in early fall.

Corn: Aphids, Corn Earworm. Apply 1 pint per acre. Do not apply within 12 days of harvest or cutting for forage.

Cotton: Aphid, Cotton Leaf Perforator, False Chinch Bug, Leafhopper, Lygus Bug, Salt Marsh Caterpillar, Spider Mite, Slink Bug. Apply 1/2 to 1 pint per acre. Do not apply within 7 days of hand picking or harvest. Workers entering the fields within 24 hours after application should wear protective clothing.

Grapes: Aphids, Spider Mite, Leafhopper, Leaf Folder. Apply 1/2 pint to 1 pint per acre. Apply up to 14 days before harvest. Caution: Spotting may occur on table varieties.

Lettuce (Head and Leaf): Aphid, Cabbage Looper, Diamond-Backed Moth Larvae. Apply 1/2 pint per acre. Do not apply within 7 days of harvest on Head Lettuce or within 21 days of harvest on Leaf Lettuce.

Melons, Squash, Cucumbers: Aphid, Cucumber Beetle, Cutworm, Darkling Ground Beetle, Flea Beetle, Leafhopper, Leafminer, Melon Worm, Pickleworm, Squash Bug, Spider Mite, Petiole Mite, Thrips. Apply 1/2 pint per acre. Do not apply within 7 days of harvest on melons, 15 days on squash and cucumbers. Make no application before vining.

Onions, Garlic: Thrips, Aphid. Apply 1/2 pint per acre. Do not apply within 15 days of harvest.

Peaches, Nectarines (Calif. only): Oriental Fruit Moth, Peach Twig Borer, Scale Insects. Apply 2 to 2 1/2 pints per acre. Do not apply within 21 days of harvest. Do not apply more than once after bloom. Do not apply more than 5 lbs. actual Parathion per acre between January 1st and harvest. Do not apply if over 90° F.

Peas, Beans: Aphid, Thrips, Leafminer, Lygus Bug. Apply 1/2 pint per acre. Do not apply within 10 days of harvest on peas or within 15 days of harvest on beans.

Pears: Pear Blister Mite, Pear Psylla, Mealy Bug, Woolly Aphid, Codling Moth, Spider Mite. Apply 2 to 3 1/2 pints 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. Caution: May cause injury to fruit and foliage of some pears.

Peppers, Tomatoes: Aphid, Corn Earworm, Flea Beetle. Apply 1/2 to 1/2 pints per acre. Do not apply within 15 days of harvest on peppers, or within 10 days on tomatoes.

Plums, Prunes: Peach Twig Borer, Oriental Fruit Moth, Scale Insects. Apply 2 to 4 pints per acre. Do not apply within 14 days of harvest. Full coverage for control of scale insects. Do not apply if over 90° F.

Potatoes, Sweet Potatoes: Aphid, Leafhopper, Tuber Moth. Apply 1 pint per acre. Do not apply within 5 days of harvest on potatoes. Do not apply within 15 days of harvest on sweet potatoes.

Safflower: Aphid, Loopers, Thrips, Lygus Bug. Apply 1/2 pint per acre. Do not apply after flowering.

Spinach: Aphid, Webworm, Leafminer. Apply 1/2 pint per acre. Do not apply within 14 days of harvest.

Strawberries: Aphid, Spider Mite, Lygus Bug, Spittle Bug, Potato Leafhopper, Strawberry Leafroller, White Fleas, Strawberry Root Weevil. Apply 1/2 pint per acre. Do not apply within 14 days of harvest.

Sugar Beets: Aphid, Leafhopper, False Celery Leaf Tier, Sugar Beet Webworm. Apply 1/2 pint 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: Aphid, Red Spider Mite, Codling Moth. Apply 2 to 10 pints per acre. Repeat 7 to 10 days for Red Spider Mite. Do not apply after husks open.

Occidental Chemical Company

P.O. Box 188, Lathrop, California 95330 P.O. Box 1128, Houston, Texas 77001

DISCLAIMER OF WARRANTIES: Seller warrants that the chemical composition of this product conforms to the chemical description given on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Timing, rate and method of application, weather and crop conditions, mixtures with chemicals not specifically recommended on this label or as accompanying label recommendation, are beyond the control of seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given hereon. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or statement concerning this product, and no such warranty, guarantee or statement shall be valid or binding upon seller.

BEST DOCUMENT AVAILABLE

OCT 5 1982

Ms. L. J. Strong
Occidental Chemical Co.
P. O. Box 198
Lathrop, CA 95110

Dear Ms. Strong:

Subject: Parathion 3 Aquestal
EPA Registration No. 7801-52
Your Application Dated September 1, 1982

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

Jay E. Eisenberger
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure

TS-767C;EISENBERGER;DCR-24754;WANG-0424C;art;Raven;479-2013; 9/28/82

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