



METHYL PARATHION

ORGANOPHOSPHORUS INSECTICIDE — EMULSIFIABLE LIQUID
AN AGRICULTURAL INSECTICIDE

POISON PRECAUTIONS

- Do not use or store in or around the house.
- Do not get on skin or on clothing. Do not breathe dust or mist.
- Do not eat, drink, or use tobacco while using.
- Wash thoroughly with plenty of soap and water after handling and before eating, drinking, smoking, or using tobacco. Wash all contaminated clothing with soap and water before reuse.
- Take care not to swallow. Keep plenty of soap and water available. Keep children and protected persons out of operation area until 24 hours after there is no longer a danger of drift from one day after spraying is completed.

POISON SYMPTOMS

• Headache, dizziness, weakness, nausea, vomiting, diarrhea, sweating, and pinpoint pupils.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONS . . . FIRST AID TREATMENT . . . INFORMATION FOR PHYSICIAN

ATROPINE IS ANTIDOTAL

FIRST AID TREATMENT: If swallowed, do not induce vomiting. If inhaled, get to fresh air. If on skin, wash with soap and water.

IF SWALLOWED: Do not induce vomiting. If inhaled, get to fresh air. If on skin, wash with soap and water.

INHALATION: Remove person from contaminated area.

SKIN: Wash with soap and water. Remove contaminated clothing and shoes. Wash thoroughly with soap and water. Wash all contaminated clothing with soap and water before reuse.

EYES: Flush with water for at least 15 minutes. Get to a physician.

INFORMATION FOR PHYSICIAN: In case of poisoning, inform physician of symptoms and interference of a potent antidote, and if necessary, atropine. When cyanosis has been relieved, atropine may be administered in large therapeutic doses, indicated as necessary, to the point of tolerance. If symptoms warrant further treatment, repeat large doses of atropine. (Dose: 2-4 mg. b.i.d.) Chloride has been used in atropine therapy. Never use more than 10 mg. per day.

USE PRECAUTIONS

READ ALL PRECAUTIONS AND DIRECTIONS BEFORE USING

Use only for crop and certain ornamental plants.

This product is highly toxic. It is very exposed to direct treatment in residues on crop. Protective information may be obtained from the Corporation of Agriculture Extension Service.

This product is toxic to fish and other wildlife. Birds feeding on insects and grass may be killed. Keep out of lakes, streams, and ponds. Do not apply where conditions likely to occur. Do not apply where conditions likely to occur. Do not apply where conditions likely to occur. Do not apply where conditions likely to occur.

In order that pesticide residues on food and forage crops will not exceed tolerances established by the Environmental Protection Agency, use only at recommended rates and intervals, and do not apply closer to harvest than specified. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjacent food, fiber or pasture crops. The grower is responsible for residues on his crops as well as for damages caused by drift from his property to that of others.

Consult state agricultural extension service or state agricultural experiment stations for additional information as to the timing, number, and rate of applications needed will vary with local conditions.

DIRECTIONS FOR USE

Application can be made by aircraft or ground power equipment. Trained personnel only using approved protective equipment. Do not apply with hand equipment. Four specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result. Do not combine with wettable powders unless previous use of the mixture has proven physically compatible and safe to plants. Always thoroughly emulsify this product with at least half of total water before adding wettable powder.

AIRCRAFT AND GROUND EQUIPMENT WATER RATES PER ACRE: Unless specified for certain crops or claims use the following water rates.

Aircraft Application: Vegetable and Field Crops — Use 1-10 gallons diluted spray per acre.

Orchard Crops: Use 5-20 gallons diluted spray per acre.

Ground Equipment: The amount of water needed to treat an acre varies; therefore the following rates are

Fruit Crops: Unless otherwise specified, rates are given in terms of Methyl Parathion 4 E per 100 gallons of water for thorough coverage application.

Maximum Permissible Rate Per Acre, expressed as Methyl Parathion 4 E, is given in parenthesis after each crop claim.

RECOMMENDATIONS

TREE FRUIT (Also read Directions for Use)

APPLES: European red mite, apply twice at 5 day intervals; woolly apple aphid, rosy and green aphids. Use 1/2 pint. Injury to fruit and foliage may occur on McIntosh, Courtland and related varieties. Consult State Agricultural Extension Service. Do not apply within 14 days of harvest. (12 pints)

APRICOTS: European red mite, apply twice at 5 day intervals; and green peach aphid. Use 1/2 pint. Do not apply within 14 days of harvest. Do not apply until danger of bee poisoning has passed. (5 pints)

CHERRIES: European red mite, black cherry aphid. Use 1/2 pint. Apply as needed at 7-10 day intervals. Do not apply within 14 days of harvest. (5 pints)

PEACHES: (Areas other than California) — European red mite, apply twice at 5 day intervals; green peach aphid. Use 1/2 pint. Do not apply within 14 days of harvest. (8 pints) California — European red mite and green peach aphid. Use 1/2 pint. Do not apply within 21 days of harvest. Do not apply more than 5 lbs. actual Methyl Parathion per acre between January 1 and harvest. (8 pints)

PEARS: Aphids. Use 1/2 pint. Apply twice at 5 day intervals. Do not apply within 14 days of harvest. (6 pints)

PLUMS, PRUNES: European red mite, apply twice at 5 day intervals; green peach aphid and mealy plum aphid. Use 1/2 pint. Do not apply within 14 days of harvest. (8 pints)

VEGETABLE, FIELD AND SPECIAL USES

(Also read Directions for Use)

ALFALFA HAY: Alfalfa weevil larvae, aphids, army worms (up to 3rd instar), flea beetles, leafhoppers. Use 1 pint (Calif. use 1/2 pint only) per acre. For weevil control, apply when 75% of terminals show feeding damage. Do not apply within 15 days of harvest. (Areas other than Calif., 2 1/2 pints) Do not apply this rate within 20 days of harvest. California (1/2 pint)

ALFALFA (FOR SEED): Alfalfa chalcid, aphids, army worms (up to 3rd instar), flea beetles, leafhoppers, lygus, mites and stink bugs. Use 1 1/2 pints per acre by aircraft or ground equipment at first sign of infestation. Apply in



**DANGER
POISON**

Keep Out of Reach of Children

EXTREMELY POISONOUS LIQUID

RAPIDLY ABSORBED THROUGH SKIN AND EYES

POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN, EYES, OR THROUGH CONTAMINATED CLOTHING

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONS . . . FIRST AID TREATMENT . . . INFORMATION FOR PHYSICIAN

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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MINERALS AND CHEMICALS DIVISION • J. R. SIMPLOT COMPANY

Post Office Box 810



METHYL PARATHION 4-E

ORGANOPHOSPHORUS INSECTICIDE — EMULSIFIABLE LIQUID
AN AGRICULTURAL INSECTICIDE

ACTIVE INGREDIENTS:	
METHYL PARATHION (O,O-Dimethyl O-p-nitro-phenyl phosphorothioate)	44.6%
XYLENE RANGE AROMATIC SOLVENT	44.8%
INERT INGREDIENTS:	10.6%
CONTAINS 4 POUNDS METHYL PARATHION PER GALLON	100.0%
E.P.A. REG. NO. 11682-7	



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ALFALFA, CLOVER, VETCH — Spotted alfalfa aphids: Use 1 1/2 pints. Calif. use 1/2 pint only. Apply in early spring. Follow state recommendations. For the control of aphids, armyworms (up to 3rd instar), leafhoppers and mites: Use 2 1/2 pints per acre (1 1/2 pint only in Calif.) Do not apply within 20 days of harvest (15 days in Calif.) (Areas other than Calif. 2 1/2 pints. Calif. Under 1/2 pint.)

ARTICHOKES — Aphids, armyworms (up to 3rd instar), artichoke plume moth (use 2 pints by air in a minimum of 10 gallons water per acre), flea beetles, mites. Use 1 1/2 pints. Do not apply within 7 days of harvest (2 pints)

BEANS, DRY — Aphids, armyworms (up to 3rd instar), flea beetles, mites. Use 2 pints. Do not apply within 15 days of harvest (3 pints)

BEANS, GREEN — Aphids, armyworms (up to 3rd instar), flea beetles, mites: Use 1 pint. Do not apply within 15 days of harvest (1 pint)

BEETS — Aphids, armyworms (up to 3rd instar), flea beetles, leafhoppers, mites. Use 1 1/4 pints per acre. Do not apply within 15 days of harvest (21 days if tops are to be used as food) (2 pints)

BEETS, SUGAR — Armyworms, flea beetles, leafhoppers, mites. Use 1/2 pint. Do not apply within 20 days of harvest. 60 days if tops are to be fed to livestock (1/2 pint)

CABBAGE — Aphids, armyworms (up to 3rd instar), flea beetles. Use 1 1/2 pints. Do not apply within 21 days of harvest (3 pints)

CARROTS — Aphids, armyworms (up to 3rd instar). Use 1 1/4 pints. Do not apply within 15 days of harvest. Do not use treated tops for food or feed (1 1/4 pints)

CELERY — Aphids, armyworms (up to 3rd instar), mites. Use 1 1/4 pints. Do not apply within 15 days of harvest (2 pints)

COLE CROPS (Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale, Kohlrabi) — Aphids, armyworms (up to 3rd instar), flea beetles: Use 1 pint. Do not apply within 10 days of harvest on cabbage, collards and kale, 7 days on broccoli, Brussels sprouts, cauliflower and kohlrabi (1 pint)

CORN (fodder and grain, including field, sweet and pop corn) — Aphids, armyworms (up to 3rd instar), flea beetles, mites. Use 1/2 pint. Repeat application if necessary. Workers entering treated fields the day of application should wear protective clothing. Do not apply within 12 days of harvest (1/2 pint)

COTTON — Aphids, boll weevil, cotton leafworm, flea hopper, lygus, red spider mites, thrips. Use 1/2 pint.

Cotton bollworm control (CALIF. ONLY) — Apply 2.6 pints by aircraft in 3.5 gallons of water per acre. Make this application 2 or 3 times at 3-4 day intervals. Depending on infestation, repeat this series of 2 or 3 applications in 7-10 days or more, as needed to maintain control. Do not sprinkle irrigate during the 3-4 day application intervals. Late afternoon or evening treatments are preferred. Workers entering treated fields within 24 hours of application should wear protective clothing. Do not hand pick or harvest within 7 days of application (6 pints)

GOOSEBERRIES — Aphids. Use 1/2 pint. Do not apply within 15 days of harvest (2 pints)

HOPS — Aphids, armyworms, leafhoppers, mites. Use 1 pint. Do not apply within 15 days of harvest (2 pints)

LETTUCE — Aphids, armyworms (up to 3rd instar). Use 1 1/2 pints. Do not apply within 21 days of harvest (2 pints)

ONIONS — Onion thrips: Use 1 pint in 15 gallons of water for aircraft application, 10-25 gallons by ground equipment. Repeat at weekly intervals. Do not apply within 15 days of harvest (1 1/2 pints)

PEAS — Aphids, armyworms (up to 3rd instar). Use 1 pint. Do not apply within 10 days of harvest (1 pint)

PEPPERS — Aphids, armyworms (up to 3rd instar). Use 1 1/2 pints. Do not apply within 15 days of harvest (2 pints)

POTATOES — Aphids, armyworms (up to 3rd instar), flea beetles, mites. Use 2 pints. Do not apply within 5 days of harvest (3 pints)

RICE (CALIF. ONLY) — Rice leaf miner and tadpole shrimp. Apply at the first sign of infestation after planting using 1 1/2 pints in 5-10 gallons water by aircraft. Restrict spill from rice fields for 3 days. Do not apply within 15 days of harvest. Caution: Do not use within 14 days of

application of Stam-F 34 or Rogue. Injury may result. Shrimp and crab may be killed at these rates. Do not apply where these are important resources (1 1/2 pints)

SMALL GRAINS (Barley, Oats, Rye and Wheat) — Aphids (green bug), black grass bug (tribial), brown wheat mite (Petrobia), and stink bugs: Apply 1/2 pint. For armyworms (up to 3rd instar) and leafhoppers apply 2 1/2 pints. Use limitations: 1/2 pint, none over 1/2 and up to 1 1/2 pints. 15 days over 1 1/2 pints do not apply after heads begin to form

SOYBEANS — Stink bugs, three-cornered alfalfa hopper and velvet bean caterpillar. Use 1/2-1 pint. Do not apply more than 2 applications per growing season. Do not apply within 20 days of grazing or harvest (2 pints)

SPINACH — Aphids, armyworms (up to 3rd instar). Use 1 pint. Do not apply within 14 days of harvest (1 pint)

TOBACCO — Green June beetle. 3-8 pint per 100 gallons of water. Apply 100 gallons of drench per 100 sq. yds. Apply to plant beds with sprinkling can. Application should be made only by trained operator. Do not apply within 5 days of transplanting

TURNIPS (Coastal areas of Calif.) — Cabbage aphids: Apply 1 1/2 pints when aphids are present and colonies are abundant. Repeat as necessary to maintain control but do not apply within 15 days of harvest (21 days if tops to be used for food or feed) (1 1/2 pints)

FOREST AND CHRISTMAS TREE PLANTINGS — To control European pine shoot moth and Nantucket pine tip moth use 2 pints per acre in 5-50 gallons of water. Repeat applications if necessary

COMBUSTIBLE — DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME. Rinse spray equipment and containers. Discharge liquid waste in pit in non crop lands located away from water supplies... Cans: "Do not reuse empty container. Destroy it by perforating or crushing. Bury or discard in a safe place away from water supplies..." Drums: "Do not reuse empty drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place away from water supplies..." Not for use or storage in or around the home... **PROTECT FROM TEMPERATURES BELOW 40° F** Product crystallizes at lower temperatures. Warm or store at higher temperatures (90° F